

**Bureau of Project Delivery
Bridge Design and Technology Division**

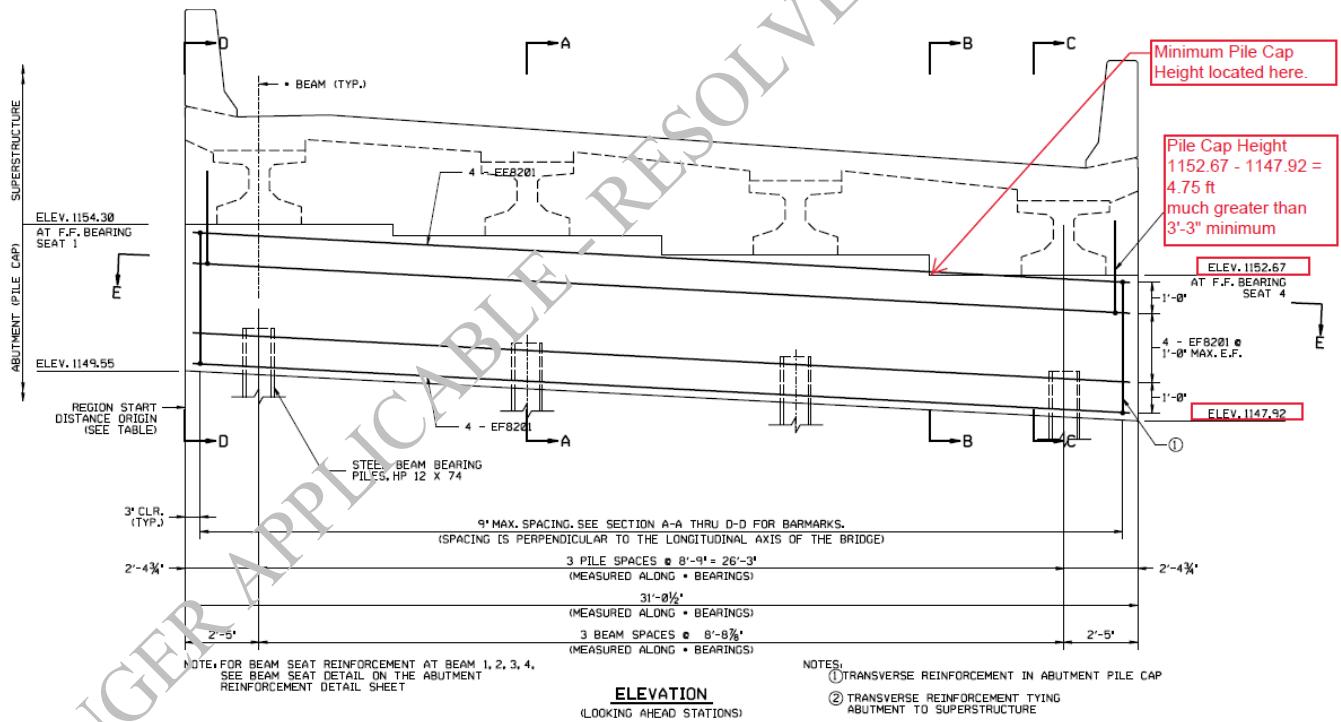
BRADD

No. 049
May 4, 2018

**BRADD v3.2.4.0: Pile Cap Depth Too Large for One
Integral Abutment – Patch Available**

Problem Statement:

For bridges that have integral abutments and a full super elevation cross-section above the integral abutment, the height of the pile cap that is calculated is too large (the minimum pile cap height exceeds 3'-3"). This problem only occurs when the bottom of the pile cap is sloped downwards (left-to-right, facing the abutment) and usually only occurs at one of the integral abutments.



Archived copies of all previously distributed e-Notifications can be obtained from the PENNDOT BRADD website at <http://bradd.engrprograms.com/home> and clicking on "e-Notification" and then "Mailing List Archives."

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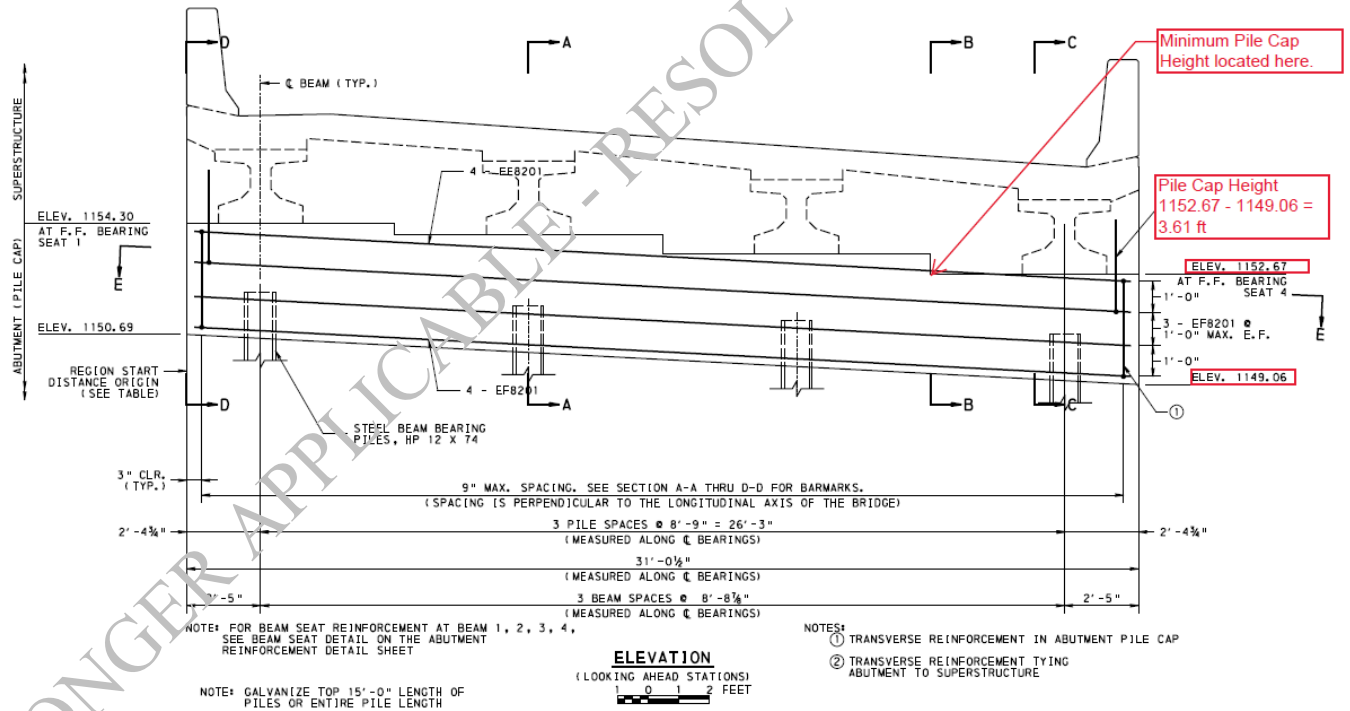
Problem Workaround:

There is no workaround available because the calculations within the BRADD software are incorrect.

Problem Resolution:

A fix for this problem is available in BRADD patch version 3.2.4.2 which can be downloaded for free as a patch from the BRADD website.

The following shows the integral abutment elevation that is created after the patch has been installed.



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Downloading and Installing BRADD Version 3.2.4.2 Patch for Licensees:

1. Close any existing instances of the BRADD program.
2. To download the patch, go to the Downloads page on the BRADD web-site at <http://bradd.engrprograms.com> and select to download the BRADD version 3.2.4.2 Patch (BRADD_v3242_Patch.exe).
3. Save the file on the computer with BRADD v3.2.4.0 installed.
4. Run the patch executable, identifying the root folder where BRADD version 3.2.4.0 is installed (like: "C:\Program Files (x86)\BRADD v3.2.4.0\).

Installing BRADD Version 3.2.4.2 Patch for PENNDOT:

PENNDOT's CADD workstations will be updated by CADD Support.

Please direct any questions to:

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