

PennDOT e-Notification

Bureau of Business Solutions and Services
Highway/Engineering Applications Division



BOX5

No. 002
August 14, 2017

Release of Version 5.9.0.1 – FAST Act Vehicles

The Department's LFD Box Culvert Design and Rating (BOX5) program has been revised to include vehicles required by the Federal "Fixing America's Surface Transportation" (FAST) Act as described in the attached "Summary of June 2017 Revisions – Version 5.9.0.1".

The new version has been placed on PennDOT servers for use by the Districts. Consultants and others, who have a current license agreement for **BOX5 Version 5.9.0.0**, can download Version 5.9.0.1 **free** of charge from our support website, <http://penndot.engrprograms.com>.

Updates for **BOX5 Version 5.8 or earlier** will require an **update fee**. For BOX5 update fee details, refer to the following link: <http://penndot.engrprograms.com/home/Ordering/BOX5.htm>. Any update requiring an update fee, must be requested by submitting the required update fee along with an [Update Request Form](#).

Please direct any questions concerning the above to:

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Attachment

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

SUMMARY OF JUNE 2017 REVISIONS - VERSION 5.9.0.1

Since the release of BOX5 Version 5.9.0.0, several error reports and user requested enhancements have been received. This release of BOX5 Version 5.9.0.1 contains the following revisions.

Input Revisions

1. Added a new loading code, (LIVE LOAD = 2), to automatically evaluate the EV2, EV3, and SU6TV loadings per the FHWA load rating for FAST Act's emergency vehicles memo dated November 3, 2016 (Request 011).

EV2: single rear axle emergency vehicle

Two axles: 24k – 15' – 33.5k

EV3: tandem rear axle emergency vehicle

Three axles: 24k – 15' – 31k – 4' – 31k

SU6TV: heavy-duty tow and recovery vehicle

11 axles: 5.75k – 10' - 8k – 4' - 8k – 4' – 25.36k – 4' – 25.36k – 4' - 8k –
14' – 8k – 4' - 8k – 4' - 17k – 4' - 17k – 4' - 8k