

PENNDOT e-Notification

Bureau of Business Solutions and Services
Highway/Engineering Application Division



PAPIER

No. 017
March 22, 2010

Release of Version 1.5.0.1

The Department's Pennsylvania Pier Analysis (PAPIER) program has been revised to correct several issues reported since the release of version 1.5.0.0. The revisions are listed in the attached "Summary of Version 1.5.0.1 Revisions".

The new program has been placed on PENNDOT servers for use by Central Office and the Districts. Consultants and others, who have a current license agreement for the **PAPIER Version 1.5.0.0**, can obtain PAPIER Version 1.5.0.1 **free** of charge from our support website at <http://penndot.engrprograms.com>. Download and installation instructions are provided at the website.

Updates for **PAPER Version 1.4.0.0 or earlier** will require an **update fee**. For PAPIER update fee details, refer to the following link: <http://penndot.engrprograms.com/home/Ordering/PAPIER.htm>. Update fees are waived for federal and state transportation agencies. The Software Update Request form can be obtained on the PENNDOT Engineering Software Support website at <http://penndot.engrprograms.com> by clicking on "Ordering/Updating" and, then on, "Update Form".

Please direct any questions concerning the above to:

Robert F. Yashinsky, P.E.

*PENNDOT Bureau of Business Solutions and Services
Highway/Engineering Application Division*

Phone: (717) 787-8407 | Fax: (717) 705-5529

e-mail: ryashinsky@state.pa.us

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 VERSION 1.5.0.1 REVISIONS

PAPIER Version 1.5.0.1 contains the following revisions:

1. The Engineering Assistant configuration file lists "D2" and "T2" as valid input for Controlling Design Vehicle Max and Min Reaction parameters of the LLR command. "D2" and "T2" have been removed from the valid input list. [IR #241]
2. The Phi factors printed in the Moment Biaxial Interaction Analysis output tables have been corrected. In previous versions, the program occasionally retrieved the incorrect Phi factor for the controlling load case. [IR #242]
3. There are occasions when the column/wall moment biaxial interaction yield surface routine does not converge for wall piers with circular ends resulting incorrect resistance values. It was discovered that changing the compiler optimization settings significantly reduced these occurrences. [IR #243]
4. A tolerance was added for the RCV Cap Shear Reinforcement Sub-region input checks. The program occasionally reported erroneous shear sub-region input when there were minor differences between the sub-region ranges and the column/cap end locations. [IR #244]
5. The DM-4 reference for the Bearing Capacity Resistance Factors in User Manual Section 6.25.3 was corrected to be Table 10.5.5.2.2-1. [IR #245]