



Iowa Department of Transportation

Office of Materials, 800 Lincoln Way, Ames, IA 50010,

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September 3, 2009

Ref. No. 435

Patrick Buckley
Staff Engineer
Powers Fasteners Inc.
2 Powers Lane
Brewster, NY 10509

Subject: Approval of New Adhesive Anchoring System, Appendix D of IM 491.11

Dear Patrick:

Based on a review per Iowa DOT Materials Instructional Memorandum 491.11 (IM 491.11), the PE 1000+, an adhesive anchoring system manufactured by the Powers Fasteners Inc., has been accepted for use in Iowa road and highway projects. The PE 1000+ will be placed on the approved brands of adhesive anchors, Appendix D of IM 491.11. The adhesive anchors shall not be used in sustained tensile-load overhead applications.

The PE 1000+ adhesive anchoring system meets the strength requirements specified in IM 491.11. The test results indicate that the system also meets the creep criteria of ICC-ES AC58 (International Code Council, Evaluation Service). The tests were conducted by the Stork Twin City Testing Corporation and the IEA, Stuttgart, Germany, respectively. These test results have been considered provisional, and Iowa DOT testing as described in IM 491.11 may affect approval status.

This letter will serve as a notice of approval until next revision of IM 491.11.

Please contact me at the above number if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Chengsheng Ouyang".

Chengsheng Ouyang
Cement and Concrete Engineer
Materials

cc: K. Jones
S. Moussalli
N. McDonald
J. Smythe
C. Purcell

District Materials Engineers
District Construction Engineers
District Local System Engineers
Resident Construction Engineers