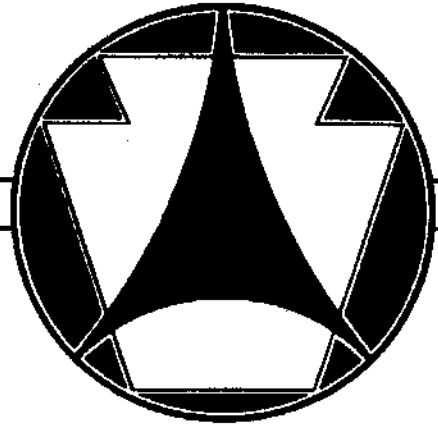

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

PENNDOT RESEARCH



EVALUATION OF AGGREGATE TEST METHODS

**University-Based Research, Education
and Technology Transfer Program**
AGREEMENT NO. 359704, WORK ORDER 43

FINAL REPORT

July 2000

By A. Stonex, G. Vadakpat, and D. Anderson

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16. Abstract To assist the Commonwealth of Pennsylvania in implementing the Superpave system, the Northeast Center of Excellence for Pavement Technology (NECEPT), the Northeast Regional Superpave Center at Penn State, was awarded a contract to analyze the effectiveness and suitability of implementing the Superpave system in the Commonwealth. The contract was broken down into three major categories: binder validation studies, mixture validation studies, and evaluation of aggregate test methods. The purpose of this report is to present the results of the third task, the evaluation of aggregate test methods. This report consists of five chapters as follows: <ul style="list-style-type: none"> - Chapter 1 provides an introduction to the report; - Chapter 2 includes the literature review of the most critical aggregate properties, test methods, and their relationship to pavement performance; - Chapter 3 presents the results of the survey that was conducted to establish the most important aggregate-related problems facing the flexible pavement industry in Pennsylvania; - Chapter 4 consists of results from the tests on aggregate samples that were collected as a part of this study; and - Chapter 5 provides conclusions and recommendations for future work. 			
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