RUTGERS
Center for Advanced Infrastructure and Transportation

PROJECT OVERVIEW REPORT

1. UTC Identifying Number
   69A3551847102

2. Center Identifying Number
   CAIT-UTC-REG 12

3. Project Title
   Laboratory Performance Evaluation of Pavement Preservation Alternatives

4. Principal Investigator & Contact Information
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6. Customer Principal
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7. Project Description
   The overall goal of this study is to determine the most optimal time at which pavement preservation treatments can be applied using full-scale accelerated pavement testing and performance evaluations. This study will also focus on developing cost-effective and efficient methods through which roadways can be preserved in New Jersey. To accomplish this goal, the specific project objectives is to conduct a comprehensive evaluation of laboratory performance of different pavement alternatives.

8. Implementation of Research Outcomes (or why not implemented)
   The laboratory test results will provide insight into the material behavior of different pavement preservation techniques. The results of these tests will lead to conducting a pilot project at CREATEs with testing in the Heavy Vehicle Simulator. In addition, these results will be valuable to early adopters, such as, state agencies of New Jersey and Rhode Island, and Metropolitan Organizations (DRPA), manufacturers (Asphalt Paving Systems).

9. Impacts/Benefits of Implementation (actual, not anticipated)
    To Be Determined

10. Dates and Budget
    Start date: 9/1/2018
    End date: 3/31/2020
    UTC (CAIT) Dollars: $95,000
    Cost Sharing: $95,000
    Total Dollars: $190,000

11. Keywords
    Pavement, preservation, treatments

12. Web Links (Reports and Project Website)

    https://cait.rutgers.edu/research/laboratory-performance-evaluation-of-pavement-preservation-alternatives/