

PROJECT OVERVIEW REPORT

1. UTC Identifying Number
69A3551847102
2. Center Identifying Number
CAIT-UTC-REG77
3. Project Title
Identification Potential of Microplastics from Recycled Plastic Modified Asphalt Mixtures
4. Principal Investigator & Contact Information
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5. Rutgers/CAIT Project Manager
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7. Project Description
The primary goal of this proposal is to evaluate the potential release and detection of micro-plastics from hot mix asphalt modified with recycled plastic modifiers.
8. Implementation of Research Outcomes (or why not implemented)
The intended outcome of the project is to provide a testing method that can help the asphalt industry identify when a potential for the release of microplastic(s) from asphalt mixtures can occur. If the procedure was found successful, training products, such as a webinar and/or training products, can be developed and distributed.
9. Impacts/Benefits of Implementation (actual, not anticipated)
To Be Determined

10. Dates and Budget

Start date: 6/1/2023

End date: 5/31/2024

UTC (CAIT) Dollars: \$133,379

Cost Sharing: \$0

Total Dollars: \$133,379

11. Keywords

Recycled plastic, microplastics, FTIR

12. Web Links (Reports and Project Website)

<https://cait.rutgers.edu/research/identification-potential-of-microplastics-from-recycled-plastic-modified-asphalt-mixtures/>