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In this edition of RMCREF Spotlight, we examine the breadth of pavement resources and research from the MIT Concrete Sustainability Hub (CSHub). As one of the largest investments in the history of US infrastructure looms on the horizon, work by the researchers at the CSHub is poised to have a significant impact. With their groundbreaking work over the past decade in the areas of [pavement-vehicle interaction](#), [albedo](#), [material competition](#), [network asset management](#), [life cycle assessment](#), [life cycle cost analysis](#), [how pavement type can impact climate change](#), and [pavement condition data collection through the Carbin app](#), the resources and data now available to federal, state and local departments of transportation may be transformative in how pavement decisions are made as additional infrastructure resources become available.

From the beginning, CSHub researchers sought to gather data, create models and prepare tools that could be used by pavement designers, policy makers and owners to ensure that limited resources are used as efficiently and effectively as possible using a full life cycle approach. Their research and models are now being applied to individual state and locality data so that transportation decision-makers can see the impact for their specific network or project. The MIT CSHub resources are actively being used by industry partners at the American Concrete Pavement Association, National Ready Mixed Concrete Association and Portland Cement Association as part of their pavement initiatives.

For more information on the work of the MIT CSHub, including [buildings research](#), [concrete science research](#), and [embodied carbon research](#), please check the [CSHub website](#) often, including their [schedule of public webinars](#).

For more information about the work of the RMC Research & Education Foundation, please visit www.rmc-foundation.org or contact [Julie Garbini](#) or [Jennifer LeFevre](#).

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