

# Mississippi DOT



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## Conducting Life Cycle Assessment for Asphalt Pavements Constructed with Cold Mixes

### Project Goals:

- (1) Educate agencies on EPDs and LCA.
- (2) Collect pavement production and construction data in an open-sourced format to inform the development of potential standards for quantifying construction environmental impacts and enhancing the pavement repository in OpenLCA and LCAPave for CCPR and FDR, and characterize their long-term performance potential for LCA.
- (3) Work with the Asphalt Institute to explore and develop binder-specific publicly available background life cycle inventory data in aggregated formats.

### Project Tasks:

- Task 1: Climate Challenge Workshop/Symposium (experts and funding provided by FHWA).
- Task 2: Quantify GHG Emissions and Performance.
- Task 3: Assist in the Exploration and Development of Publicly available background life cycle inventories for asphalt binder.
- Task 4: Project Close-Out Meeting and Concluding Symposium (experts and funding provided by FHWA).

