

Washington DOT and Minnesota DOT



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Using LCA to Reduce Embodied Carbon in Pavement Infrastructure at WSDOT and MnDOT

Project Goals:

- (1) Educate the audience on basic terminology, accounting methods, and rules associated with carbon reduction in infrastructure.
- (2) Better understand GHG emissions typical of standard DOT work including roadway maintenance, rehabilitation, and new construction.
- (3) Allow State DOTs to require EPDs in their procurement process and to describe their contents in standard specifications.

Project Tasks:

- **Task 1: Training** – Develop a series of asynchronous on-demand lessons delivered using online content management and video presentation.
- **Task 2: Data and Metrics** – Collect data on emissions to use this data to establish performance metrics for GHG emissions.
- **Task 3: Implementation** – Enable DOTs to use EPDs and other LCA techniques in their procurement process and specifications.

