

Reducing Carbon Emissions on I-64 Capacity Improvement Project with the use of FSB and emulsion asphalt mixtures

United States of America Avoidance
 Recycled Asphalt Verra

Project I-64 Williamsburg, VA --

Available Inventory	1 vintage
2020	\$15.08 / t

The vintage of a credit represents the year within which the credit was produced. When there are repeating vintages on a project, this is most likely due to multiple issuances within the same year. These are sometimes priced differently because of different delivery dates.

For more questions, please reach out to: support@cloverly.com

Technology

Methodology

Recycled Asphalt

Mechanism

Avoidance

Registry

Registry

VERRA

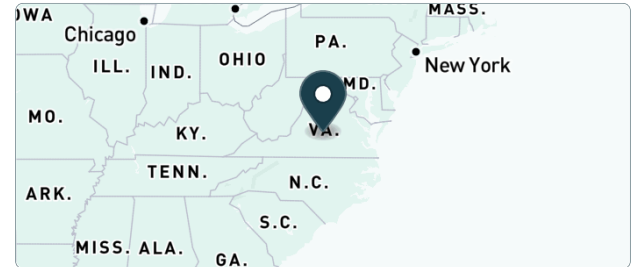
Project ID

3094

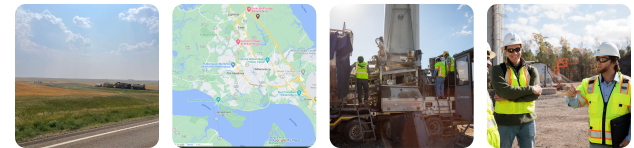
Location

Staunton, United States of America

North America



Project Media



Full Description

Global Emissionary works to reduce the carbon footprint of the paving industry. Pavement organizations partner with Global Emissionary to generate carbon credits for recycling pavement with cold in place recycling (CIR), cold central plant recycling (CCPR), and full depth reclamation (FDR) using reclaimed aggregate pavement (RAP), asphalt emulsions, and foam stabilized asphalt base (FSAB or FSB). Global Emissionary quantifies carbon emission reductions in a cradle-to-installation life cycle analysis (LCA) using its Verra-approved methodology (VM0039) and patented process (US 10,870,953 B2) and converts these reductions into verified carbon units (VCUs) which can be traded on the voluntary carbon market.

Global Emissionary's Verra Approved VM0039 methodology credits sustainable roadway construction with these key environmental factors in mind: Reduced energy consumption: Eliminate the need for extensive heating of materials, as required in traditional hot mix asphalt methods. This significantly reduces energy consumption and associated greenhouse gas emissions.

Preservation of natural resources: Reusing existing pavement materials reduces the demand for new aggregate and asphalt, thus preserving natural resources.

Minimization of waste: By recycling existing pavement materials on-site, minimizing the need for disposal in landfills and reducing the environmental impact of waste management.

Lower carbon footprint: Due to reduced energy consumption, preservation of natural resources, and minimized waste generation, recycling existing pavement results in a lower overall carbon footprint compared to conventional road construction methods.

Project I-64 Reclamation: Sustainable construction methods were utilized to reclaim 150 lane miles of roadways on I-64 in Williamsburg, VA saving a verified 17,790 tons of CO2 from entering the environment. The road work was performed in the following locations with the corresponding emissions reductions in tCO2e. Location:

Williamsburg, VA -1,790

Why Purchase Our Credits?

By supporting this project, companies play an integral role in ensuring the road network their businesses rely upon are built through eco-conscious methods. Join us in paving the way for a greener tomorrow. Purchase carbon credits that take part in supporting roadways built with the environment in mind.