

Global Emissionary Project

Reducing Carbon Emissions on I-64 Capacity

Improvement Project with the use of FSB and emulsion asphalt mixture

Verra ID
3094

Total VCU's
17,790

Vintages

2018 – 9,181 t/CO₂
2019 – 2,390 t/CO₂
2020 – 3,581 t/CO₂
2021 – 2,638 t/CO₂

Status
Available

Location: Williamsburg, VA-1,790

Project IM64 Williamsburg, VU MM 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 miB asphalt methods. This significantly reduces energy consumption and associated greenhouse gas emissions.

The Problem:

Currently, more than 97% of roadway construction relies on energy-intensive methods. These conventional approaches involve mining virgin aggregates, transporting them to asphalt plants, where they're mixed with binding agents and heated to high temperatures before being transported to construction sites. This process is highly energy-intensive and contributes significantly to overall greenhouse gas (GHG) emissions.

Our Approach:

We quantify and calculate emission reductions in roadway recycling projects through a comprehensive cradle-to-installation life cycle analysis (LCA) using our Verra-approved methodology (VM0039).

Why Invest in Our Credits?

By supporting our projects, companies play a pivotal role in ensuring that the road networks crucial to their operations are built using eco-conscious methods. Join us in paving the way for a greener tomorrow by purchasing carbon credits that endorse environmentally-friendly roadway construction.

For further details, please contact sales@globalemissionary.com. Please note that all project and pricing information is subject to change.

Project I-64 Reclamation:

Project I-64 employed a combination of Cold In-Place Recycling (CIR), Full Depth Reclamation (FDR), and Cold Central Plant Recycling (CCPR) to reclaim 150 lane miles on I-64 in Williamsburg, VA. This initiative saved a verified 17,790 tons of CO₂ from being released into the environment.

The Solution:

Global Emissionary is spearheading efforts to address this challenge by advocating for cold recycling techniques and leveraging carbon finance to support the construction of roads that slash emissions by 70-80% compared to traditional methods.

Join us in paving the way for a greener tomorrow.