

## Global Emissionary Project

# Recycling Roadways for Carbon Emission Reductions

## U.S. Project #1

Verra ID

3839

Total VCU's

21,116

Vintages

2021 – 10,532 t/CO<sub>2</sub>

2022 – 10,584 t/CO<sub>2</sub>

Status

Coming Soon

California GE PRS: Sustainable construction methods were utilized to reclaim 255 lane miles of roadways in California saving a verified 21,116 tons of CO<sub>2</sub> from entering the environment. The road work was performed in the following locations with the corresponding emissions reductions in tCO<sub>2</sub>e.

### 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).

### 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 CO<sub>2</sub> 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.

### Locations:

Bakersfield - 1,228	Lancaster - 209	Green Valley - 930
Santa Clarita - 808	Leona Valley - 311	Santa Clarita - 603
Santa Clarita - 448	Palmdale - 708	Lompoc - 270
South Gate - 359	Palmdale - 509	Tujunga - 809
Scotty Place - 1,943	Davis - 505	Santa Maria - 914
San Jose - 223	Fullerton - 190	Rialto - 1,262
City of Industry - 780	Highland - 725	Oakhurst - 143
Los Alamos - 1,122	Fresno - 2,624	Williams - 1,070
Wrightwood - 512	Rowland Heights-677	Brawley - 1,234

### 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](mailto:sales@globalemissionary.com). Please note that all project and pricing information is subject to change.

*Join us in paving the way for a greener tomorrow.*

