

# Recycling Roadways For Carbon Emission Reductions - Midstate Reclamation and Trucking

- United States of America
- Avoidance
- Recycled Asphalt
- Verra

Global Emissionary quantifies carbon emission reductions in roadway reconstruction using a cradle-to-installation life cycle analysis from its Verra-approved methodology (VM0039).

Available Inventory	1 vintage
2021	\$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](mailto:support@cloverly.com)

## Technology

## Methodology

Recycled Asphalt

## Mechanism

Avoidance

## Registry

## Registry

VERRA

## Project ID

VCS3616

## U.N. Sustainable Development Goals

[Overview of UN SDGs](#)



## Location

Hettinger County, 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 Midstate Reclamation:** Sustainable construction methods were utilized to reclaim 420 lane miles of roadways in the midwestern United States saving a verified 28,915 tons of CO2 from entering the

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## Full Description (continued)

environment. The road work was performed in the following locations with the corresponding emissions reductions in tCO2e.

Wyoming, MN -228 Storm Lake, IA-521 Woolstock, IA -898 Zearing,IA-2,515 Boone, IA-764 Spring Valley, MN-2,057 Austin, MN-861 Hettinger, ND-2,843 Decherd, TN-950 Valparaiso, IA-1,474 Farnhamville, IA-2,508 Delta, IA-725 Hibbing, MN-1,107 Le Sueur, MN-1,391 Ireton, IA -916 Eden Prairie, MN-929 Redwood Falls, MN-276 Spring Creek, TN-1,120 Shelly, MN-1,825 Hill Top-1,412 Nyack, MT-749 Wells, ND-575 Le Mars, IA-416 New York Mills, MN-1855

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.