

Cold Pavement Recycling with Engineered Emulsions



AMICYCLE™

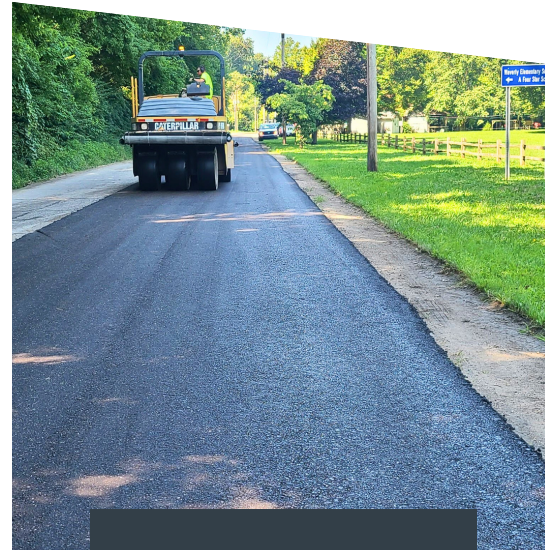
Cold In-Place Recycling (CIR)



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COMPACT



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Cold In-Place Recycling

AMICYCLE Cold In-Place Recycling (CIR) is an in-place rehabilitation process used for asphalt pavements with partial-depth distress. The engineered treatment serves as a well-established alternative to conventional treatments, minimizing transported materials and prioritizing material budgets.

Benefits

- CIR lifts utilizing engineered emulsions with a performance-based mix design can withstand traffic while developing early strength.
- Offers a cost-effective solution for pavement rehabilitation compared to conventional methods.
- CIR is a sustainably competitive process. By processing materials in place, hauling of roadway materials off- site and on-site is significantly reduced.

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The Process

Using a continuous train operation, the top three to five inches of the asphalt pavement is milled, crushed and mixed with an engineered emulsion designed for the project. The mix is then placed with conventional paving equipment as a base or intermediate lift. After curing, an asphalt surface treatment or wearing course is then added.

Frequently Asked Questions

When can traffic be allowed back on the roadway?

Traffic can return quickly once the recycled pavement has been compacted. CIR has faster construction times than conventional methods, so overall downtime is reduced.

How can CIR help a road program with a limited budget?

By reducing trucking, time and materials, CIR significantly reduces the construction cost by 20-50% and is a sustainable pavement rehabilitation method.



Check out how Cold In-Place Recycling was a cost-effective and sustainable solution for Morgan County, Indiana.



A pavement sampling investigation should be done to determine the proper treatment for a particular road. Reach out to your AMI representative to discuss an evaluation.

Contact your AMI sales rep or email marketing@asphalt-materials.com
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