



Cold In-Place Recycling

**Make your old roadway
new again. For half the cost
and twice the acclaim.**



HIGHWAYS
ARTERIALS
COLLECTORS
RESIDENTIAL
STREETS
AIRPORTS

Cold In-Place Recycling (CIR) costs less, performs better and benefits the environment.

STRUCTURAL IMPROVEMENT FOR LESS.

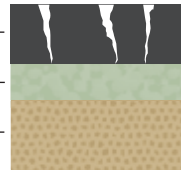
Cold-in-place recycling costs up to 50% less than conventional rehabilitation without sacrificing structural value

BEFORE: DISTRESSED PAVEMENT

Distressed AC pavement: fatigue, cracking

Base/sub-base

Subgrade



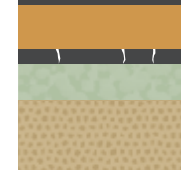
AFTER: COLD IN-PLACE RECYCLING

New thin overlay: chipseal or slurry

CIR eliminates reflective cracking

Base/sub-base

Subgrade



Recycled: a better alternative to new hot mix.

Cold In-Place Recycling (CIR) has come a long way, thanks to Pavement Recycling Systems' implementation of technological advances in equipment, processes and binder chemistry. Depending on the application, CIR can build structural value while reducing project cost compared to a typical mill-and-fill rehabilitation. So you can end up with a better, longer lasting road. CIR with the new engineered emulsions also gives you greater resistance to reflective and thermal cracking.

Green in both senses of the word.

First let's talk money. CIR by Pavement Recycling Systems costs as little as half of mill and fill. You can even save more money on low volume roads

by sealing the CIR section with a slurry or chip seal. Plus you're going green by recycling resources instead of removing and replacing them. In-place aggregates and asphalt are reused and renewed, not discarded. There's less construction traffic which translates into less energy expended and fewer emissions. Conserve resources and win public acclaim.

Proven on the road and agency-approved.

Pavement Recycling Systems cold in-place rehabilitation and pavement preservation system, used nationwide, is approved by Caltrans, NDOT, the FHWA and other major agencies. From public roadways to airport runways, its performance has been tested and proven.



OUR RECYCLING TRAIN: AN END-TO-END SOLUTION.



1

Start with cracked, pot-holed, rough riding old road. Planer mills off 2" to 4" of distressed roadway.

2

Central processing plant screens millings, crushes to specified gradation.

3

Emulsion is added to millings and blended in mixing chamber. Customized emulsions available.



TO REHABILITATE 1 LANE-MILE OF HIGHWAY AT 3" DEPTH:

A process that adapts to your parameters.

We customize our process (shown in the diagram below), emulsions and top coats to the specific parameters of your project. We even look at how soon the road needs to be back in service. Normally traffic can resume in a few hours, but with adjustments to the binder in the mix, cars can be on the road in minutes. Contact one of our experts for a consultation. Let us show you how to preserve your pavement investment.

Mill and fill: 83 truckloads
 45 truckloads to haul off millings
 38 truckloads to haul in new AC



PRS Cold In-Place Recycling: 2 truckloads
 to import emulsion



4

5

Recycled paving deposited directly on roadway. Paving machine lays renewed pavement down.

Compaction with steel drum and pneumatic rollers. New road is long lasting, smooth riding and crack resistant.



Speeds of up to 3 miles per day. The PRS recycling train removes, processes and repaves your roadway at a fast clip with only a single lane closure.



Recycling. Reclamation. Preservation.

Environmentally sound solutions for all phases of the pavement life curve.



If you have a pavement issue, talk to us. We take an integrated approach to pavement preservation, rehabilitation and construction. Offering a full range of environmentally sound solutions, we are the only company of our kind in California. Even if you only come to us for one type of application, it pays to work with a team that has our capabilities, resources and breadth of expertise. Our experts consult with you on the best technologies and applications for each job.

State-of-the-art recycling expertise

PRS is committed to the belief that recycling is the best long-term solution to the pavement portion of our nation's infrastructure challenges. Recycling and processing existing materials on-site provides an ecological alternative to traditional methods by minimizing export hauls, disposal costs and reducing truck traffic.

To improve the state of the art, we have developed and tested better recycling ideas and technologies, setting new performance standards and delivering cost savings at the same time. We are the best in the industry at what we do – and we do a lot:

- Full Depth Reclamation (FDR)
- Cold In-Place Recycling (CIR)
- Hot In-Place Recycling (HIR)
- Cold Central Plant Recycling (CCPR)
- Aggregate Recycling

Soil Strengthening Strategies

PRS is expert at converting in-place soils into structural foundations for pavement and building. Save on export and import by improving the structural properties of your project's existing soil. Other soil services include:

- Bio-remediation of contaminated soils
- Stabilization and solidification of soil contaminants
- Turning soils into pavement, on site

Cold Planing and Related Services

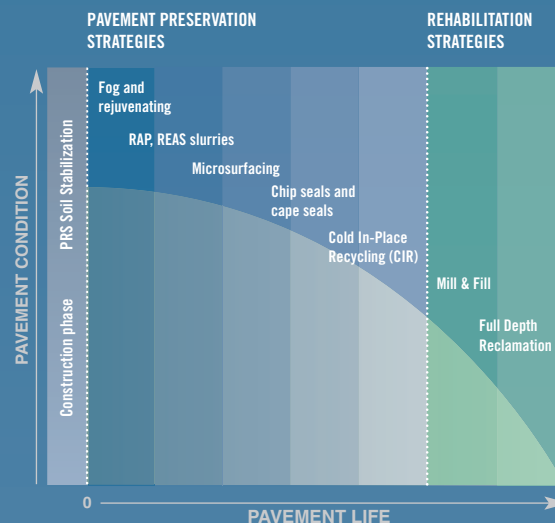
- Cold milling
- Micro milling
- Pulverizing asphalt in-place
- Trench planing / pulverizing
- Skid-steer mini planers
- Rumble strips
- Berm removal

Pavement Preservation

Pavement Coatings, the experts in pavement preservation since 1975, is a division of Pavement Recycling Systems. This puts PRS at the forefront in applying tried and true pavement preservation strategies as well as developing new systems that extend pavement life at lower cost. Services include:

- Fog and rejuvenating seal
- Conventional and pre-mix REAS slurry seal
- Rubberized flex cape
- Pass® scrub seal
- RAP Slurry™
- Cape seals
- Micro Surfacing
- SAMIs
- Chip seals
- Other innovative products in development

PRS PRODUCTS FOR EVERY STAGE OF THE PAVEMENT LIFE CURVE



PAVEMENT RECYCLING SYSTEMS, Inc.

1-800-966-7774
714-826-3011
951-346-1800

Riverside: 951-682-1091
San Diego: 760-747-9979
Lancaster: 661-948-5599
Bakersfield: 661-833-2280
Reno: 775-209-3078

Pavement Recycling Systems subsidiaries:

Cold Milling Group

951-682-1091
Asphalt and Concrete Cold Milling, Roadway Excavation, Ground-In Rumble Strip, Micro Milling

Pavement Restructuring Group

951-682-1091
FDR, Pulverization, Foamed Asphalt, Emulsion Stabilization

Stabilization Solutions Group

951-682-1091
Soil Stabilization with Cement, Lime, Fly Ash, and Emulsion. Contaminated Soils.

Renew Pavement Group

951-682-1091
CIR, CCPR, HIR

Reclaimed Aggregates, Inc.

951-787-8955
Concrete and Asphalt Recycling Centers. Recycled Aggregates and Pavements.

Pavement Coatings Company

714-826-3011
REAS, RAP Slurry, Type I and Type II Slurry and Microsurfacing.

We are employee-owned

The quality of our work and customer service is second to none for a reason: all of our dedicated employees share ownership in PRS. We want our customers to keep coming back. And they do. Call us to discuss your next job.