

COLD IN-PLACE RECYCLING

Cold In-Place Recycling (CIR) is a cost-effective surfacing technique that reuses existing materials, corrects asphalt defects, extends roadway life and improves transit performance.

STEP 1 THE TRAIN

An equipment "train" sets up: milling machine, crusher, machine with stabilizing agent injectors, stabilizing agent tankers, asphalt paver and compaction machines.



STEP 2 MILLING

Existing roadway is partially milled, 2-5" deep, depending upon the depth of the existing asphalt.

STEP 3 CRUSHING AND STABILIZING

Milled materials are crushed and mixed with a stabilizing agent, usually foamed asphalt.



STEP 4 PAVING

Recycled mixture is paved immediately back onto the roadway using a traditional paving machine.

STEP 5 COMPACTING

New surface is compacted using pneumatic and vibratory rollers.



STEP 6 CURING

CIR is allowed to cure from several days to a couple of weeks, depending on the conditions.

STEP 7 THE TOP LAYER

After curing is complete, a thin layer of asphalt is laid on top as a wearing course layer.

