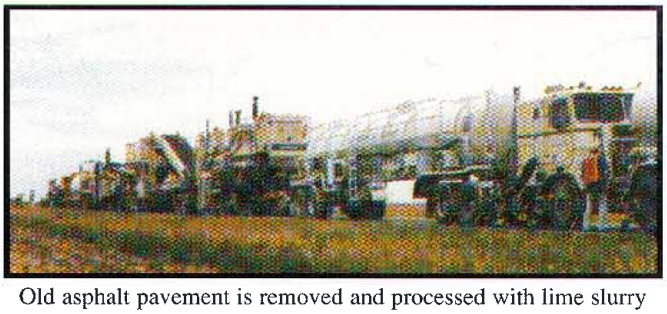
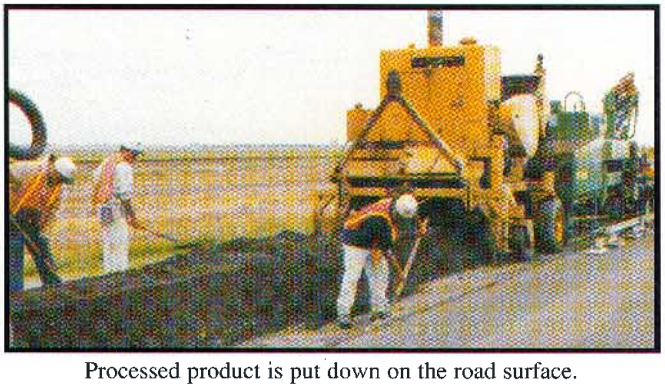
COLD IN-PLACE RECYCLING

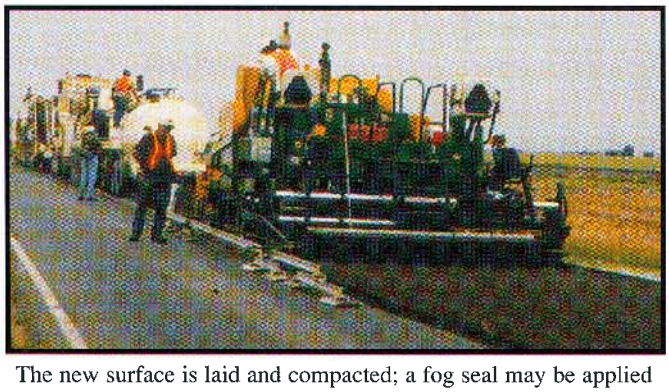
Lime slurry is manufactured on the job site with PORTA BATCH® mobile lime slurry production units provided by CLC.



Old asphalt pavement is removed and processed with lime slurry and asphalt emulsion in the recycling "train."



Processed product is put down on the road surface.



The new surface is laid and compacted; a fog seal may be applied following final compaction.

The Advantages of Cold In-Place Recycling with Emulsified Asphalt and Hot Lime Slurry

- Moisture susceptibility is reduced—mix retains strength after moisture and traffic exposure.
- Increased resistance to freeze-thaw damage.
- Curing rates and initial strength development are improved, expediting compaction operations and return of traffic.
- Ultimate strength may be increased.
- Cold recycling may take place in high humidity areas, high altitude, and in cooler temperatures.
- A fog seal may be applied to the surface, further protecting the recycled pavement and reducing raveling.

Table 1 (reverse) contains field core data from an Oregon CIR project.

P.O. Box 121874, Fort Worth, Texas 76121-1874
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Table 1.
Laboratory data from field cores obtained five months following
cold in-place recycling using lime slurry and emulsion treated mixtures, Burns Junction, Oregon.
(Source: Oregon State University Report, 1995.)

Lime Addition (%)	Average Unconditioned Resilient Modulus (psi)	Average Conditioned Resilient Modulus[1] (psi)	Average Index of Retained Resilient Modulus (%)
0.0	175,512	116,113	61
1.0	224,845	194,897	87
1.5	289,687	276,616	95
2.0	354,269	313,594	89

[1]Resilient Modulus following vacuum saturation and freeze/thaw conditioning.

For more information, contact your Chemical Lime Company representative or call 1-800-365-6724 (eastern U.S.) or 1-800-978-0325 (western U.S.) or write to the address below. PORTA BATCH is a registered trademark of Chemical Lime Company.

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