

Cement Stabilized FULL-DEPTH RECLAMATION

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Road Recycling Council
New England Region

What is Full Depth Reclamation?

“FDR is the rehabilitation technique in which the full thickness of the asphalt pavement and a predetermined portion of the underlying materials (base, subbase, and/or subgrade) is uniformly pulverized and blended to provide an upgraded, homogeneous material”

from BARM (ARRA)



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What do you do when the
pavement has gone beyond
Preservation ?



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Advantages of Full – Depth Recycling with cement

Technical Advantages

- ✓ Eliminate base and surface problems simultaneously
- ✓ Improve the load bearing capacity of the pavement
- ✓ The profile of the road remains unchanged
- ✓ On widening projects, materials will be uniform across the new road's width

Economical Advantages

- ✓ Cut costs by re-using existing roadway materials
- ✓ Save time by using in-place construction techniques
- ✓ Minimize traffic disruption, detours, and downtime
- ✓ Minimize traffic of construction trucks

Environmental Advantages

- ✓ No new aggregates needed for the base
- ✓ No material for disposal
- ✓ Save in energy use



Construction Process

Simple and Fast Process!

- Design
- Processing
- Compaction
- Finishing
- Curing
- Surfacing



FDR Performance



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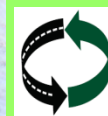
Route 125 Middlebury, VT



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Thank you!!!

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