

# FULL-DEPTH RECLAMATION

Rehabilitate your roads with full-depth reclamation technology, where in addition to the benefits of cold in-place recycling technology, a machine can reclaim deeper depths of the existing road to be recycled.

## ATTRIBUTES

- Eliminates all existing surface distresses
- Stabilization turns a deficient pavement structure into a new homogeneous section with increased structural capacity
- Reduces impact on underground utilities and structures
- Conserves non-renewable resources and reduces trucking
- Deteriorated subgrade or base can be reshaped to restore surface profile and drainage
- Cost savings compared to other rehabilitation methods
- Reduces community impacts, traffic disruptions and user inconvenience
- Reduces contractor change orders resulting from unstable soil/base conditions

-  40-80% less expensive than alternative reconstruction techniques
-  Import and exporting of materials can be reduced by 90%
-  Reuses 100% of existing materials
-  Same-day return to light traffic
-  Up to 25 years of life extension. The limiting factor for service life of FDR treated pavements is typically the service life of the surface course and not the FDR mixture itself
-  Structural layer (c) Coefficients of FDR mixtures depends on the stabilizing agent used and vary from 0.14 for pulverization and mechanical stabilization to 0.15-0.25 for cementitious stabilization to 0.20-0.30 for bituminous stabilization

## ISSUES ADDRESSED

- All forms of cracking and rutting
- Reduced ride quality due to pavement distress
- Loss of surface integrity due to raveling, potholes and bleeding
- Excessive shoulder drop off
- Inadequate structural capacity
- Subgrade instability

## COMMON COMBINATIONS

- FDR + Single or Double Chip Seal
- FDR + Micro or Slurry Surfacing
- FDR + Hot Mix Asphalt Overlay
- FDR + Cold Mix Asphalt Overlay



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