

Full Depth Reclamation (FDR):

# THE GREEN ALTERNATIVE FOR BLACKTOP

TIME TO REPLACE YOUR ASPHALT?  
RECYCLE INSTEAD!



The innovative FDR process pulverizes your existing pavement structure, often blending it on site with additives to create a new, solid base. *This eco-friendly method:*

- › Reduces costs
- › Increases pavement performance
- › Decreases installation time
- › Extends the asphalt life cycle
- › Minimizes environmental impact

*IT'S A WIN-WIN FOR YOU –  
AND OUR PLANET!*



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# GO GREEN, SAVE BIG, AND BUILD SMARTER WITH THE FULL DEPTH RECLAMATION (FDR) PAVEMENT SYSTEM

## A BETTER BLACKTOP SOLUTION

Not only is FDR an eco-friendly option, you benefit from a better finished product. FDR differs from conventional paving in that the process goes to the very bottom of the existing pavement structure, penetrating the underlying base layers, and building up a stronger foundation that will last years longer. Deep pavement crack patterns are eliminated – not just covered up as they are in conventional re-paving.

## REDUCE COSTS

Material and hauling costs are reduced because your current blacktop becomes the primary component in the new pavement base.

## IMPROVE PERFORMANCE

FDR goes to the very bottom of your existing pavement structure, completely reconstructing the foundation, resulting in a stronger, smoother, and longer-lasting asphalt surface.

## MINIMIZE YOUR ECO-IMPACT

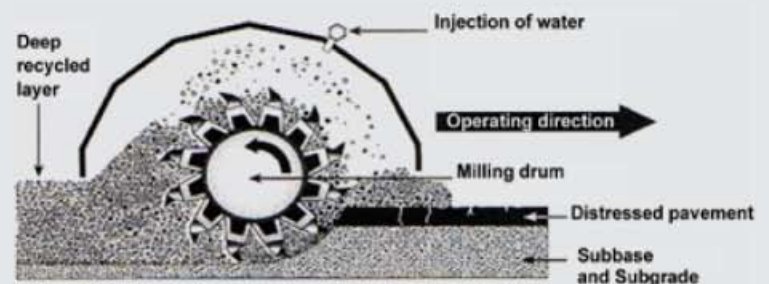
The FDR method eliminates material disposal concerns, reduces hauling emissions, and decreases pollution as asphalt heating and mixing are minimized.



## HOW IT WORKS

### Step 1: Pulverization

Pavement is reclaimed utilizing specialized machinery, similar to a roto-tiller. This powerful machine pulverizes and blends your existing asphalt with the underlying stone base. Sometimes, additional aggregate and additives are mixed in during the grinding process to create a strong, stable base.



### Step 2: Grading

Once the proper mixture is achieved, a grader is used to shape the site to ensure adequate surface water runoff. Improper drainage can cause cracking and asphalt damage.

### Step 3: Compaction

A large sheepsfoot roller, followed by a smooth-wheeled roller, compacts the material until the highest level of strength has been reached.

### Step 4: Finishing

The final step involves placing and compacting a new hot-mix asphalt pavement structure.



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