



FULL DEPTH REHABILITATION (FDR) PROCESS

IN-PLACE RECYCLING AND STABILIZATION OF DISTRESSED PAVEMENTS
(Start to Finish in Typically 3-5 Days)



1. PAVEMENT EVALUATION



2. PULVERIZE DETERIORATED PAVEMENT



3. RESHAPE FOR NEW HMA OVERLAY



4. APPLY CEMENT



5. MIX – HYDRATE CEMENT & RECYCLED BASE



6. COMPACT



7. FINISH GRADE



8. FINISH ROLL & CURE



9. OVERLAY NEW HMA

ENGINEERING

- Provides 20-30 year Design Life
- Flexible TI Assignment
- Provides Foundation Support
- Decreased Moisture Sensitivity
- Decreased Expansion Potential
- Verifiable Performance

ECONOMICS

- 30%-50% Up-Front Cost Savings
- Cost Equal to 15%-20% Dig-out and Overlay
- Reduced Long-Term Maintenance
- Reduced Export/ No Import
- Significantly Reduced Schedule

ENVIRONMENTAL

- Reduced Truck Traffic by 40:1
- Recycles Existing Materials
- Reduced Neighborhood Traffic
- Reduced Raw Material Needs
- Environmentally Sustainable
- Reduced Landfill Usage

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