

New Jersey DOT funded project

Evaluation of Full-Depth Reclamation Asphalt Pavements Using Accelerated Pavement Testing

Our goal is to improve the current NJDOT design specifications for Full-Depth Reclamation (FDR), a rehabilitation technique of deteriorated asphalt pavements. **(2 – 4 Clinic students)**

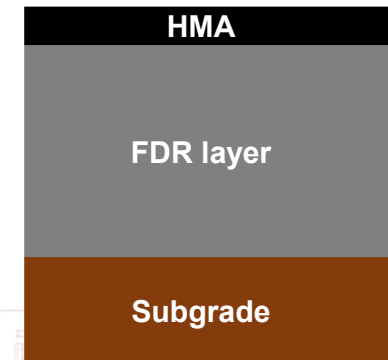
Advisors: Dr. Yusuf Mehta and Dr. Ahmed Saidi

Over the next semester, we will:

- Review existing literature on FDR
- Prepare FDR mixtures in the lab using cement, asphalt emulsion, and foamed asphalt
- Conduct performance testing and analyze results
- Determine FDR mix designs for three full-scale FDR sections for accelerated pavement testing (APT)



Full-Depth Reclamation Process



FDR Pavement Structure



Heavy Vehicle Simulator