











# Specialize in Asphalt and Concrete Preventive Maintenance

- Founded in 1972
- · Based out of Westlake, OH
- Other Locations: Dayton OH Tampa FL – Morrisville NC
- Manufacturing Plant Mansfield, OH



Reclamite ® Rejuvenator



JointBond ® Joint Stabilizer



PlusTi®
Photocatalytic
Pavemens







- Charlotte
- Gastonia
- Matthews
- Rock Hill
- Mooresville
- High Point
- Waynesville

- Raleigh
- Durham
- Cary
- Apex
- Garner
- Holly Springs
- Fuguay-Varina





- Greenville
- Wilmington
- Hope Mills
- St. James
- Carrboro



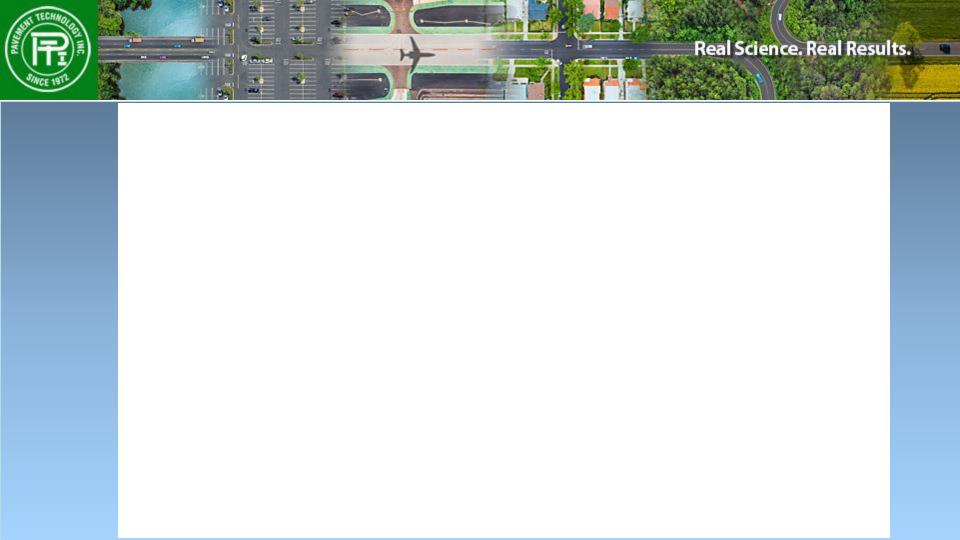
#### What is Maltene Replacement Technology (MRT)?

- Discovered in 1959 by Dr. Fritz Rostler
- Uses an exact molecular match to replace the maltenes lost to oxidation
- Rejuvenating asphalt has one purpose replace what's lost
- Rather than dilute what's left
- Extends the life of binder by 4-5 years
- Can retreat pavement as many as 2-3 times



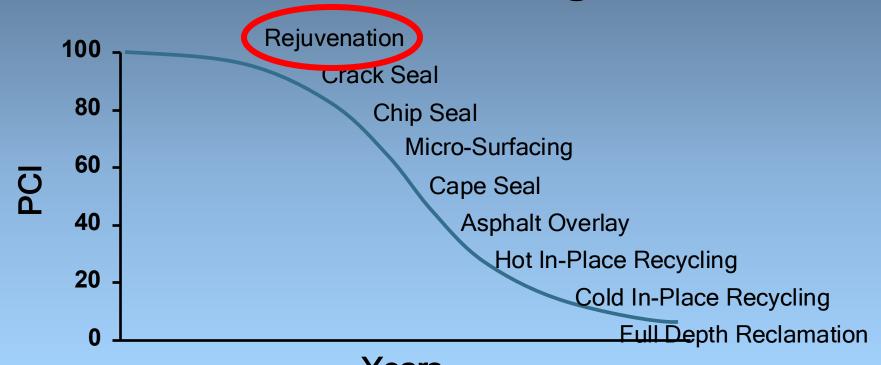








## **Pavement Strategies**



Years





The first significant hardening of the asphalt cement takes place at the hot mix plant. During this short mixing time, the asphalt cement, which is in very thin films, is exposed to high temperatures ranging from 275 to 350° F.



#### Oxidation takes its toll

The roadway begins to deteriorate the moment it's paved. The viscosity of the asphalt binder can go from 10-15K poise when it's only a few months old to several hundred thousand after less than a decade.













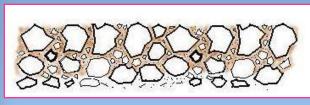


















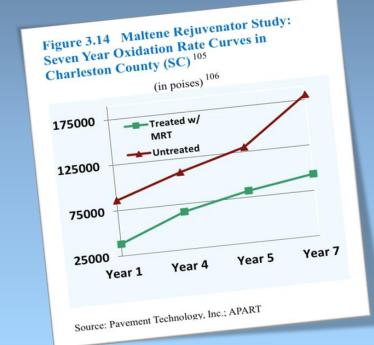






## Real Science. Real Results.



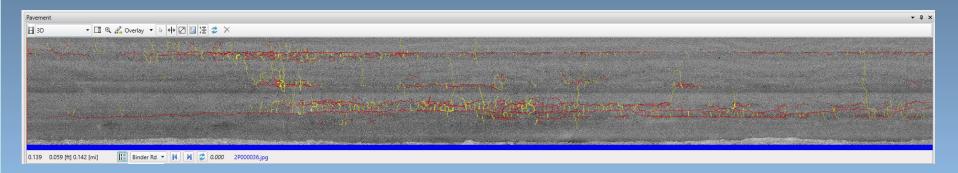




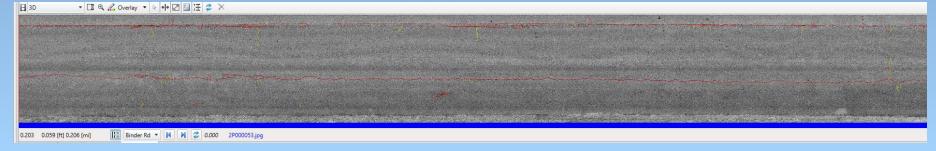


Age: 20+ years

Resurfaced: 2000

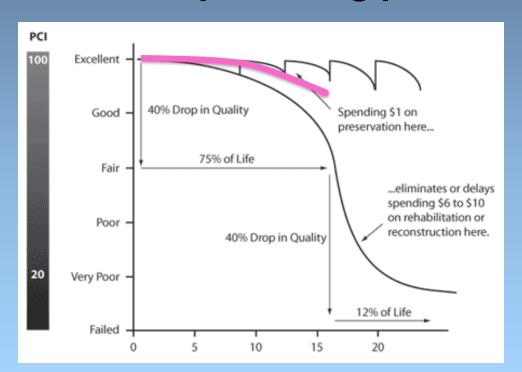


#### Reclamite<sup>®</sup> 2004





### FHWA has been preaching preservation















#### Paved 2001-2003 no Reclamite



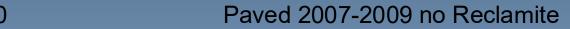




#### Paved 2004-2006 no Reclamite















#### Paved 2010-2012 no Reclamite

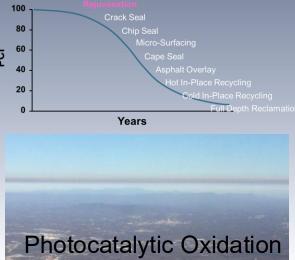




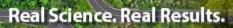




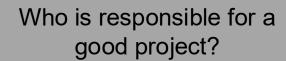
















#### Good Jobsite Safety and Application







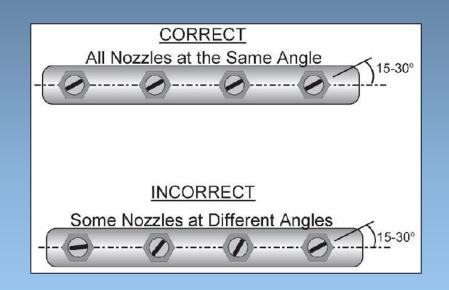
#### **Application**

- Ambient Temperature 50° F and rising
- Precipitation Monitor weather and cease operations if necessary
- Pavement Surface should be dry and free of dirt and debris
- Spray bar all nozzles are free of clogs and adjusted properly



#### **Application**

- Nozzle Adjustment
- Adjustment Tool Provides proper angle
- Spray Pattern no interference

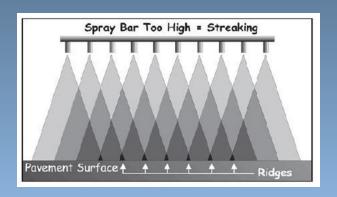


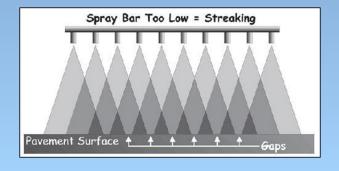


#### **Application**

- Spray bar should be 1 foot off the ground

- Spray Pattern too high or too low will cause streaking
  - Bar pressure will also effect application appearance







#### **Pre-Cleaning**



#### **Stormwater Protection**









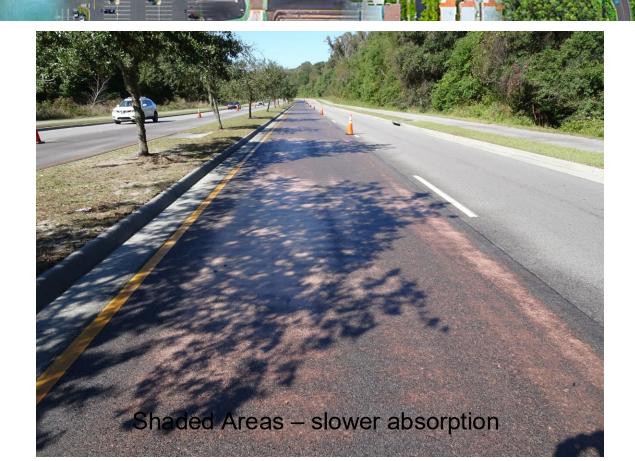




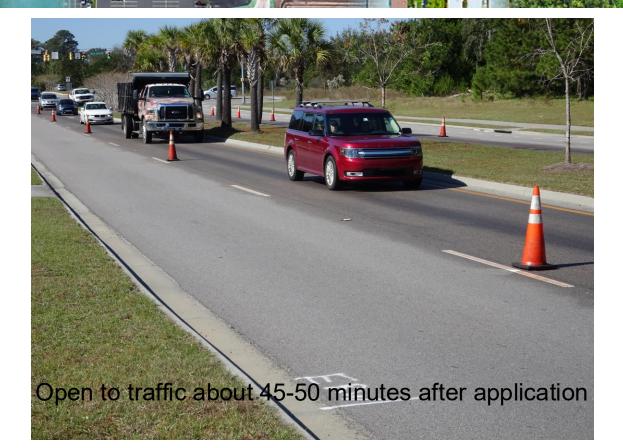




































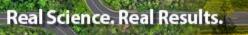


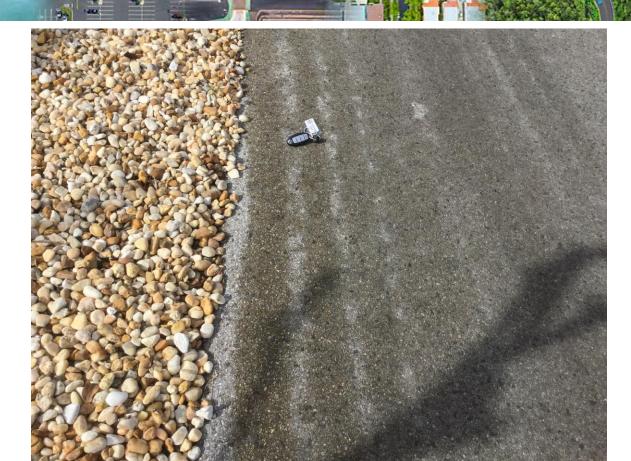






































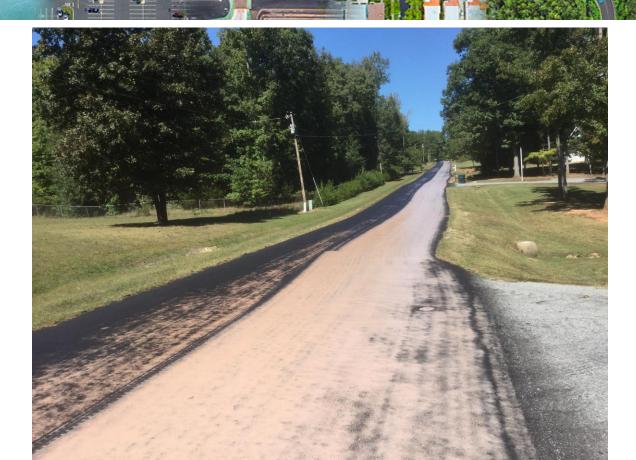








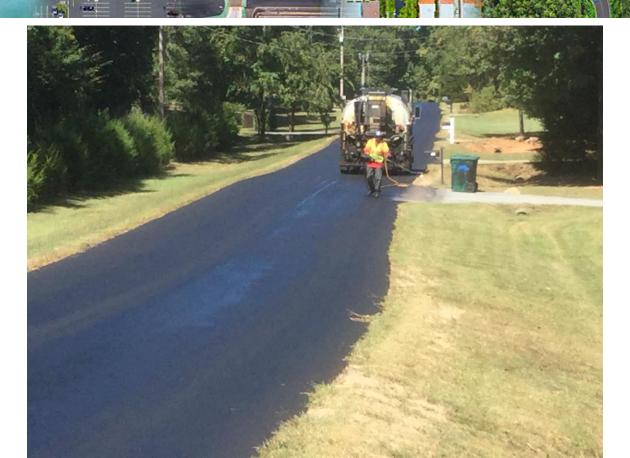












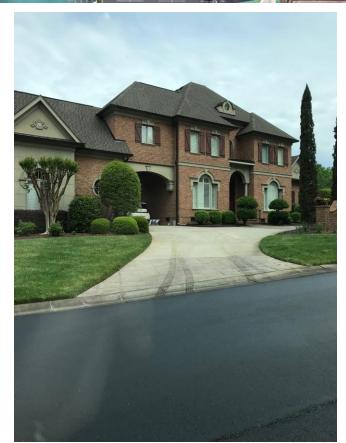


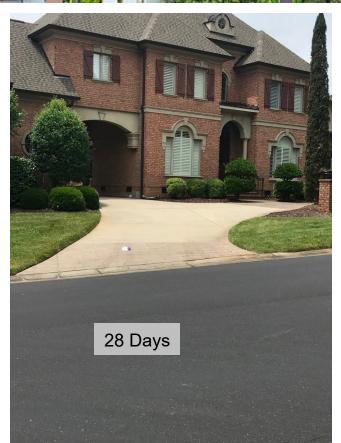














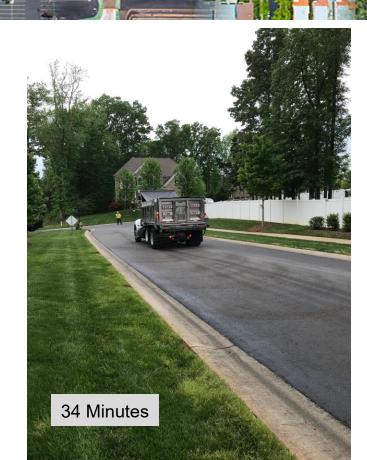




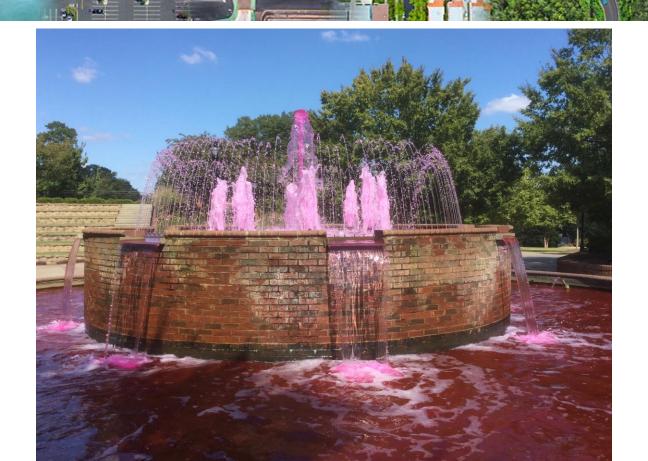














## Questions?







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