Pavement Technology, Inc.



PAVEMENT PRESERVATION EXPERTS
FOR
39 YEARS

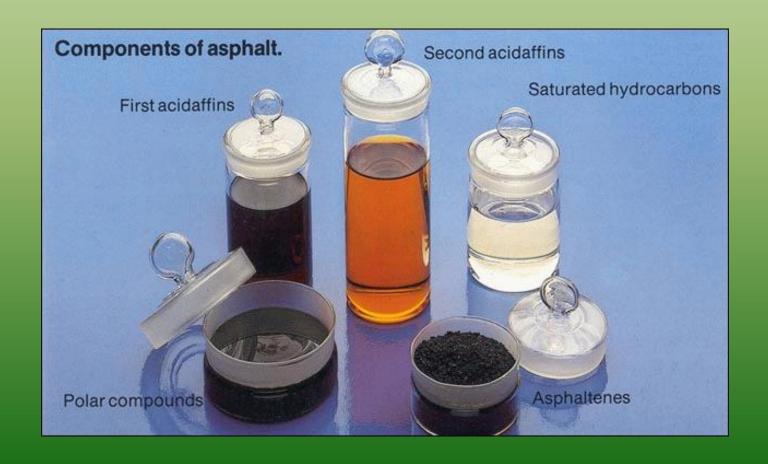
PTI has been involved in Pavement Preservation Since 1972

- Before pavement preservation was as popular as it is today;
- Processes we provide to DOT's include:
 - Longitudinal Joint Stabilization with JOINTBOND®;
 - Asphalt Rejuvenation with Reclamite®;
 - Skidabrader-Reclamite Treatment.

ALLARE MALTENE REPLENISHMENT PROCESSES

Why MALTENE replenishment?

Simple Asphalt Chemistry!



Asphalt Cement = Asphaltenes & Maltenese



Maltene Loss

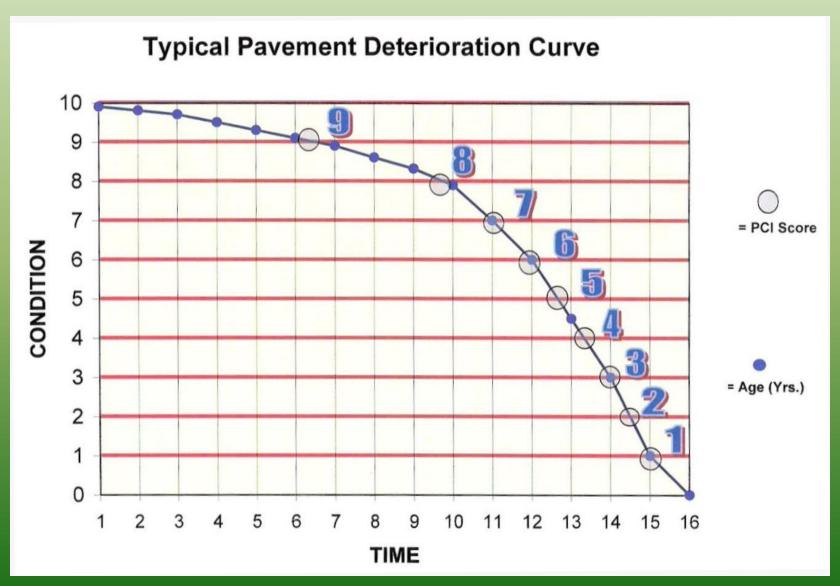


Due to high temps during hot-mix production

Constant exposure to the sun's UV rays and subsequent surface flushing by rains



Maltene Loss = Deterioration



JOINTBOND®



Prevent longitudinal joint deterioration



JOINTBOND® Polymerized Maltene Emulsion for Longitudinal Joints



Reclamite Asphalt Rejuvenator





Skidabrader & Reclamite® Surface Treatment







Skidabrader & Reclamite® Surface Treatment

PAVEMENT CORE TEST RESULTS

Testing by APART, Inc. , Shafter, CA - Nov. 5, 2010

Top 3/8-inch of Treated and Untreated Core Samples

Sample Location

TN SR12 Reclamite Treated TN SR12 Untreated

30		No.	MODULUS, 60C, Pa			
Viscosity 60C, Poises	% Change	Phase Angle, Deg.	Complex	Elastic	% Change	Viscous
15260	41.73%	78.2	15300	3127	51.86%	14978
26189		75.7	26258	6496		25442

Summary of Testing: Testing the top 3/8" of each core, the asphalt was extracted and recovered as prescribed by Californai Test Method 365.

60 C Viscosities, Pa*s, phase angles, complex, elastic, and viscous moduli were determined on recovered asphalt binder using the Dynamic Shear Reheometer as prescribed by AASHTO T316.

Property Section (Co.	a warden er taat	san tan	Treatment Test - atment, and Day Af	A COMPANY BY	
9/15/2010	9/16/2010	9/16/2010	9/16/2010	9/17/2010	
PM PM	AM (30 Min. After)	AM (60 Min. After)	PM (3-1/2 Hr. After)	AM (24 Hrs. After)	
1st run 2nd run	1st run	2nd run	3rd run	4th run	
45.2 48.1	Abraded & untreated 55.7	Abraded & untreated 59.2	Abraded & untreated 52.3	Abraded & untreated 52.3	
	Abraded & treated 35.0	Abraded & treated 35.8	Abraded & treated 46.9	Abraded & treated 48.7	
44.7 47.7	Abraded & untreated 53.7	Abraded & treated 36.9	Abraded & treated 36.0	Abraded & treated 44.2	
			Note: Rain/standing water was present at this time		

Numerous studies and reports conducted over the past 30+ years have confirmed the effectiveness of Reclamite in extending pavement life.

Report No. FHWA-RD-78-108

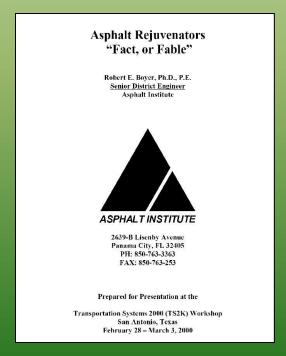
TECHNIQUES FOR REHABILITATING PAVEMENTS WITHOUT OVERLAYS —
A SYSTEMS ANALYSIS

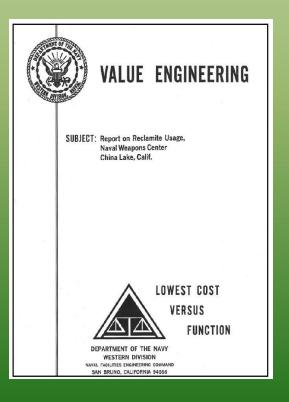
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