



Applications of HiMA™ Highly Modified Asphalt Binders to Solve Pavement Problems

Bob Kluttz

Northeastern States

Materials Engineers Association

October 26, 2021

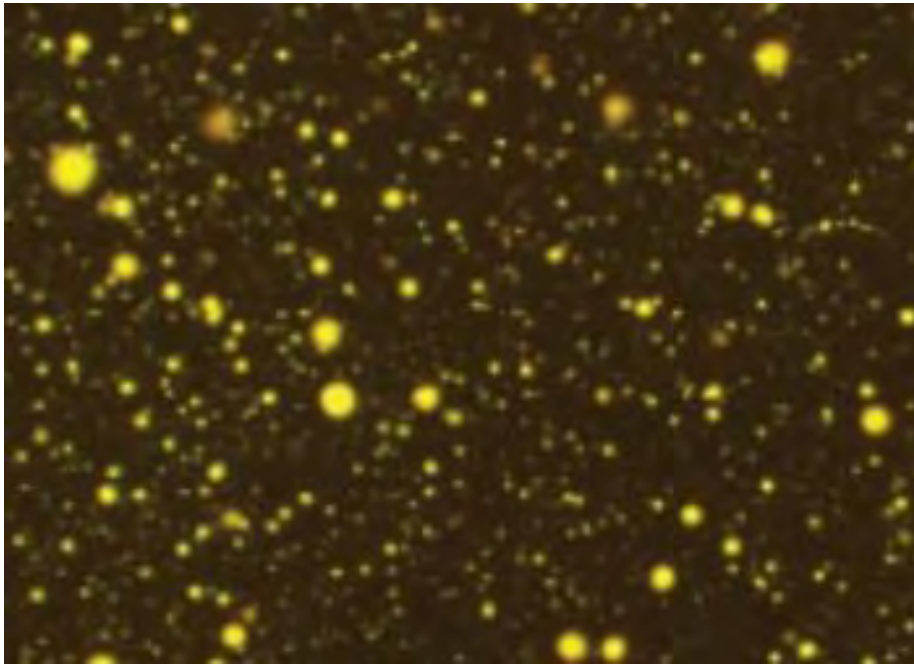


Introduction

- ▶ Highly Modified Asphalt binders have been trialed in over twenty states. In routine commercial use in some.
- ▶ A typical binder spec would be Virginia's PG 76E-28
- ▶ Twelve years of excellent performance history.
- ▶ Now being promoted by FHWA in Every Day Counts - 6 Targeted Overlay Pavement Solutions
- ▶ Following are QR code links to background information and examples of how highly modified asphalt can be used to improve asphalt pavement performance.

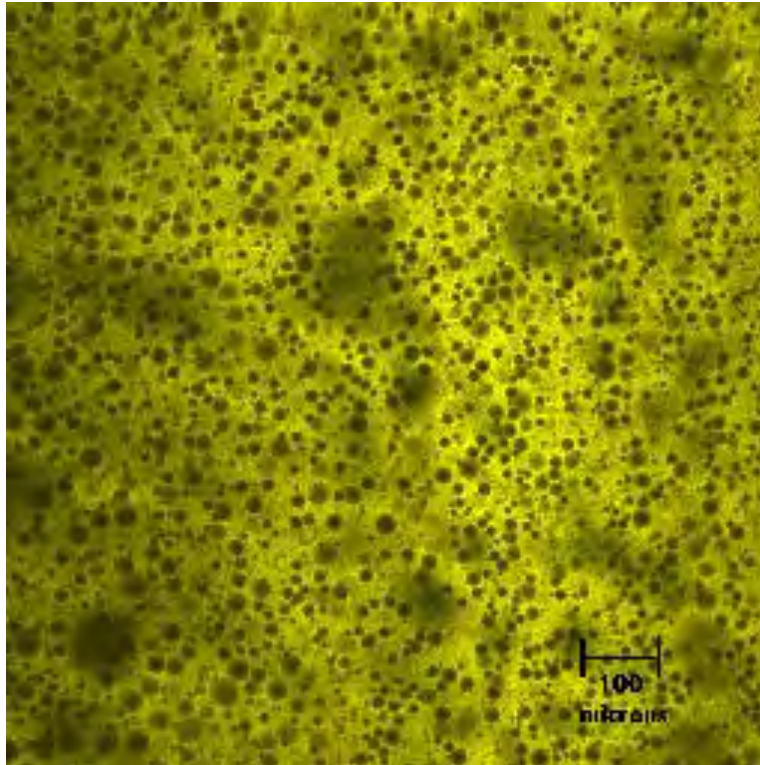
Basics of Asphalt Modification

- ▶ Here is a good place to start for basic information on polymer modification of asphalt.



Highly Modified Asphalt Binders

- ▶ Here is some background and more detailed information on highly modified asphalt binders including specifications.



Construction with Highly Modified Mixtures

- ▶ Here are some guidelines on mix production and pavement construction.



New Pavements

- ▶ Highly modified asphalt has been used in rehabilitation and reconstruction in a number of states and around the world. An excellent tool for perpetual pavement design.



Cities and Towns

- ▶ For thin overlays, highly modified binders give improved resistance to reflective cracking as well as permanent deformation. Part of the EDC-6 TOPS initiative.



Bridge Decks

- ▶ For bridge decking, highly modified asphalt allows “zero void” impermeable mixes without rutting issues.



Airports

- ▶ Highly modified asphalt provides excellent shear resistance and rapid return to aircraft for runways and taxiways.



Seaports

- ▶ Superior permanent deformation resistance makes highly modified asphalt and excellent choice for port facilities with slow moving heavy loading vehicles.



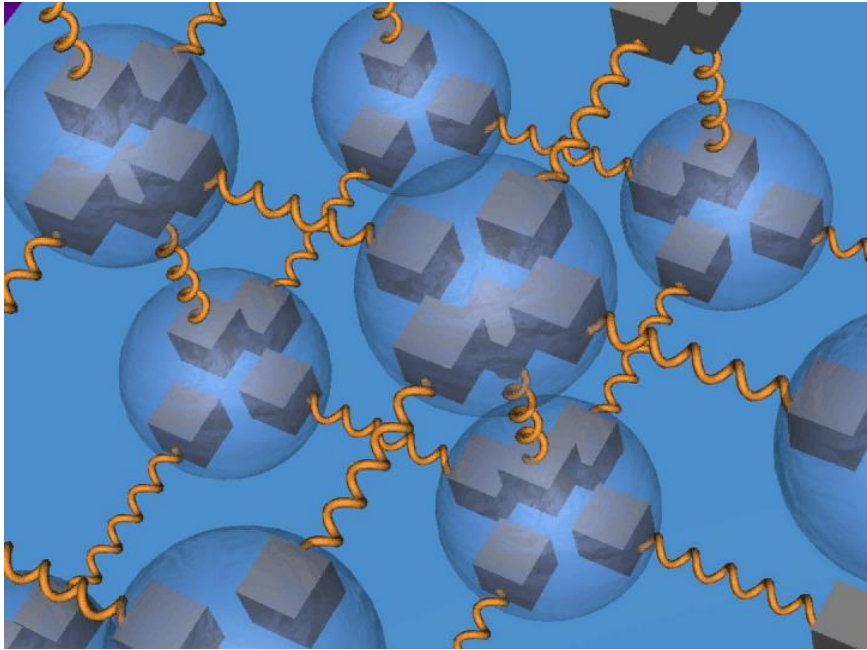
Racetracks

- ▶ And the high shear resistance of highly modified binders makes them a design choice for raceways.



Product Portfolio

- ▶ Kraton Polymers offers a wide range of SBS polymers for conventional and specialized polymer modified asphalts and emulsions as well as products for pavement recycling and road markings.

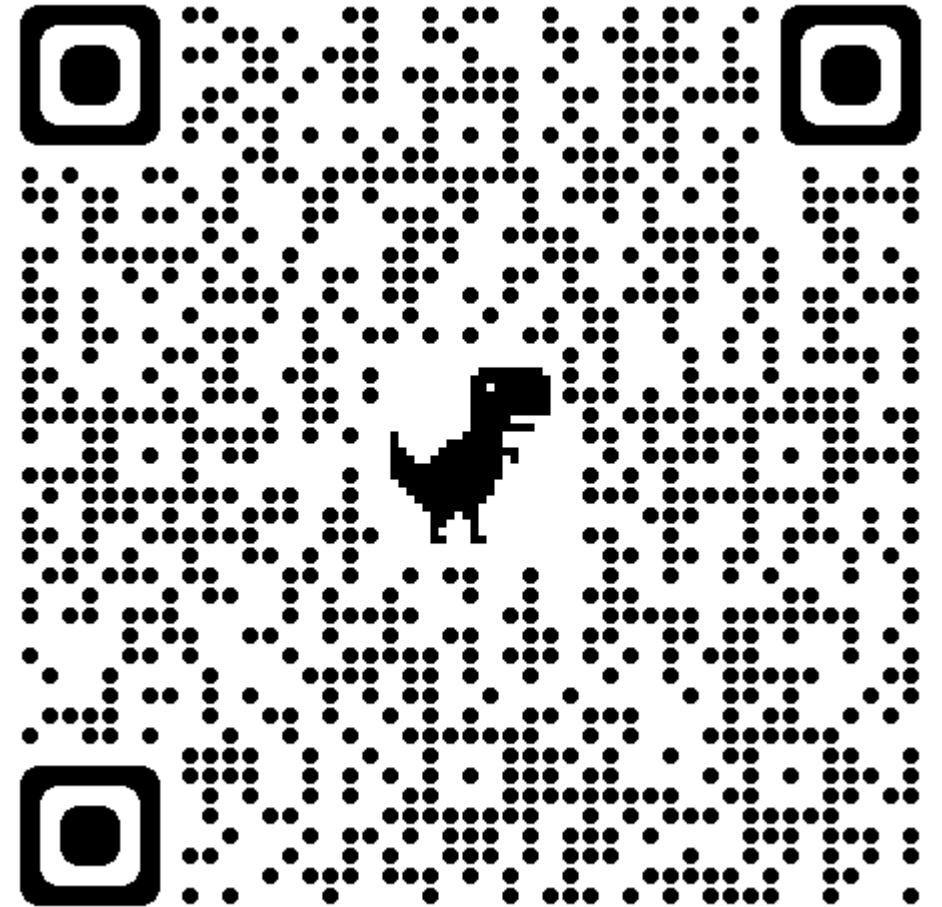


Webinar This Thursday!

- ▶ IMPROVING PAVEMENT VALUE AND PERFORMANCE WITH HIGHLY MODIFIED ASPHALT
- ▶ Thursday, October 28th, 2021 - 12:00 noon (EDT)



QR code to register →



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