



Opening the road to **innovation**

Quick and tough, Onyx® frictional mastic surface treatment combines the durability you want from a pavement maintenance application with the frictional characteristics achieved from improving micro texture on the pavement surface.

Onyx is a mixture of asphalt emulsion, increased levels of angular fine aggregates, polymers and catalysts. Onyx is designed to protect your investment, minimize future maintenance treatments and get traffic back on your pavement more quickly.

Why You Should Insist On Onyx:

Friction

Onyx has been designed with an increased level of high quality fine aggregate material. The design procedure relies on industry standard testing and allows you to feel comfortable with the frictional characteristics of Onyx.

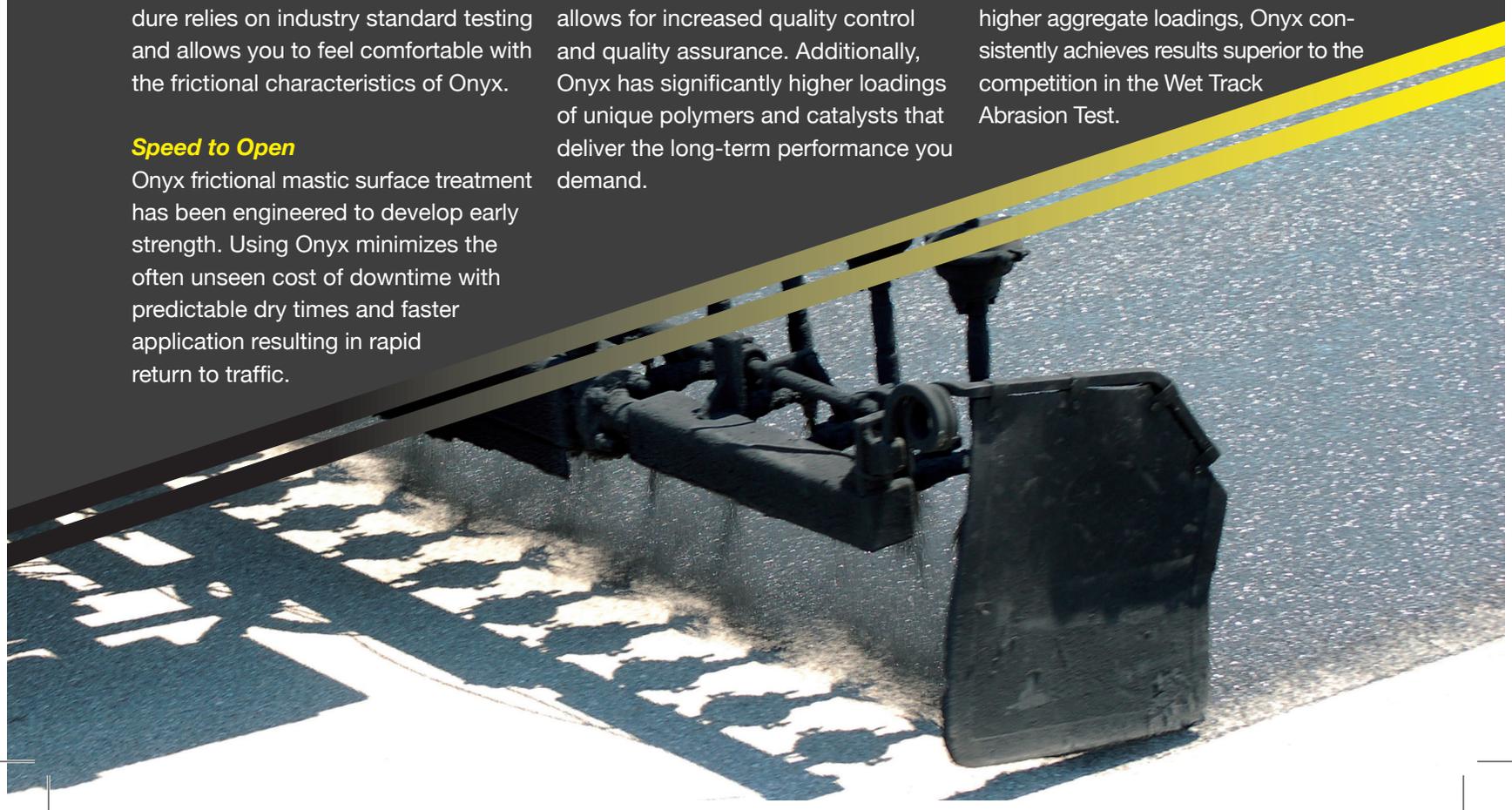
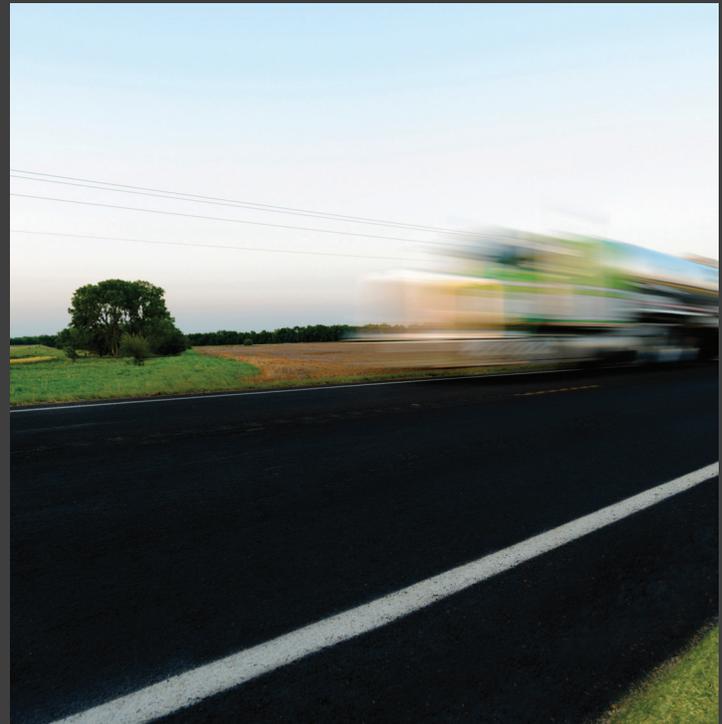
Speed to Open

Onyx frictional mastic surface treatment has been engineered to develop early strength. Using Onyx minimizes the often unseen cost of downtime with predictable dry times and faster application resulting in rapid return to traffic.

Engineered Toughness

Onyx is a central plant manufactured technology that is applied without dilution. This manufacturing method allows for increased quality control and quality assurance. Additionally, Onyx has significantly higher loadings of unique polymers and catalysts that deliver the long-term performance you demand.

Onyx is formulated to maximize your asphalt's durability through permeability, friction and color. Although containing higher aggregate loadings, Onyx consistently achieves results superior to the competition in the Wet Track Abrasion Test.



Innovations insider

Road Owner

Washington County, KS

Contact

Rob Lauer – 785.562.2386

Hall Brothers

rob@hallbros.net

Scope of Project

2 sections of Eagle Rd
for a total of 42,000 SY

Location

Near Clifton, KS and Hwy 148

Date Placed

October 2014

Contractor

Hall Brothers

Material

Onyx® Frictional Mastic
Surface Treatment

Material Supplier

Vance Brothers

Rob Vance – 816.923.4325

Equipment Used

Bergkamp MA-30



Challenge

Washington County is no different than most agencies these days in regards to reductions in funding and the perpetual question: how to cover more roads with fewer dollars? In an effort to address this issue and reduce up front costs Onyx® was an option presented by Hall Brothers as a way to save money, extend the life of asphalt pavements, and provide an attractive surface for its constituents. With the goal of preserving and extending the life of a young pavement, a site was selected which was an existing asphalt overlay that had been placed a few years prior.

Process

Hall Brothers undertook the application of Onyx with a recently acquired MA30 distributor from Bergkamp Inc. of Salina, KS. Vance Brothers supplied the Onyx from their Kansas City, Missouri facility, which was then applied with two coats for a total of 0.25 gal/yd². Good late season weather facilitated rapid dry time.

Result

A short time after application, traffic was returned to the jet black surface. Onyx provided a durable seal of the existing pavement, with no loose aggregate, and a driving surface with appropriate friction. Ultimately Washington County was pleased with the results and will continue to evaluate for future use.



Hall Brothers, Inc.

1196 Pony Express Highway

Marysville, KS 66508

785.562.2386

www.hallbros.net