savemyroad.com

Problem:

Harsh winter weather, freeze/thaw cycles, snowplow damage

Solution:

eFlex Premium Micro Surfacing

Success Story: eFlex

Chase Road runs near the University of Massachusetts' Dartmouth campus in the southeastern portion of the state. Its ADT alternates between 5-7 thousand vehicles, but during warmer months, the road sees a spike in traffic as vacationers journey to the nearby coast. In the winter, Chase Road is hit hard by freeze/thaw cycles, slush, snow and snowplows that clean up afterward. These conditions and distresses made the road a perfect candidate for Ergon Asphalt & Emulsions' premium micro surfacing product, eFlex.

Dartmouth Township is no stranger to micro surfacing. The township has worked with Braintree, Massachusetts-based contractor Sealcoating, Inc., (Sealcoating) for years to preserve and restore its roads using this particular pavement preservation technique. While Sealcoating specializes in conventional micro surfacing, they have also progressively evaluated multiple next generation micro systems in recent years, including eFlex. eFlex's performance, combined with close technical and field support offered by Ergon A&E, helped the product quickly rise to the top of the contractor's evaluation list.

eFlex is a one-of-a-kind treatment with unique ingredients developed by Ergon A&E's research and design labs. Its highly polymer-modified base asphalt helps roads tolerate higher temperatures and resist potential damage caused by power steering and radial tires during early returns to traffic, as well as damage caused by snowplows later in the lifecycle. eFlex is significantly tougher than conventional micro, which has made it the preferred micro surfacing system for residential and commercial areas, as well as university pavements and the roads that lead to them.

Dartmouth Township approached Sealcoating for a solution to the issues it was having with pavement degradation due to particularly harsh winter weather and subsequent snowplowing. The township was eager to see how eFlex would perform, and arranged a test project near the University of Massachusetts Dartmouth campus. eFlex not only outperformed conventional micro surfacing emulsion, but also the other next generation fiber additive micro surfacing systems used alongside it. Because of those results, Dartmouth welcomed a full eFlex project to restore and preserve nearby Chase Road.

Paragon Technical Services, Inc., developed a mix design for the project, and Brox Industries, Inc., supplied the aggregate. Ergon A&E's technical operations group provided close support throughout the manufacturing process. The emulsion was produced by Ergon A&E at its Vicksburg, Mississippi, facility and shipped to the jobsite. Using a double application of eFlex, Chase Road was restored in only two working days. Sealcoating engineers applied 15 lbs. per square yard of material for the initial course, followed by 20 lbs. per square yard on the second pass. Traffic was able to return within one hour after initial application.

Chase Road is expected to receive two additional years of service life beyond what would be expected from a conventional micro surfacing treatment. Considering the extended lifecycle, the average annual cost of eFlex becomes even less expensive than conventional micro.

For inquiries, contact:
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Ergon Asphalt & Emulsions, Inc.