

SAVE MY **ROAD**

Problem: Depressed transverse cracks

Solution: Crack seal

Success Story: Crack Seal

The Nicollet County Highway Department (NCHD) in New Ulm, Minnesota, had been treating depressed, transverse and longitudinal cracks by applying a tack coat followed by hot mix asphalt. Costly and labor intensive, this treatment required multiple trucks, a roller, a fairly large crew and daylong traffic interruptions. To provide a long-term repair to the cracks, NCHD elected to install Mastic One® along a roadway heavily trafficked by cars, trucks and large farming vehicles.

A unique, hot-applied polymer modified asphalt-based material with engineered aggregate, Mastic One is a highly adhesive, flexible, durable and waterproof mastic with a service life exceeding five years. This product is specifically designed for wide transverse cracks and distressed surface areas in both asphalt and concrete pavements, making it the preferred repair material.

Utilizing flagmen for traffic control and a shoe box applicator to repair a single lane at a time, five crew members effortlessly applied a pallet (2,880 pounds/1,306.34 kilograms) of Mastic One to a mile-long section of pavement in approximately two hours. Choosing to apply Mastic One enabled traffic to travel over the repair minutes after application, resulting in minimal traffic flow interruption and a subsequent ride that was extremely smooth.

The Nicollet County crew recognized utilizing Mastic One to treat depressed transverse cracks resulted in significantly less traffic interruption, less equipment and crew, lower cost and an improved long-term repair. These benefits, along with ensuring a smooth ride for vehicles, provided an unrivaled solution to a very common road challenge.