

# SAVE MY **ROAD**

**Problem:** Oxidation, cracks and aged surface

**Solution:** Rejuvenating fog seal

## Success Story: Rejuvenating Fog Seal

On the newly paved State Route 7 in Middle, Tennessee, eFog rejuvenating fog seal was used to address 16.1 miles of aging, oxidized shoulders. It had been 10 years since the shoulders were paved, and they were looking ragged and worn next to the route's fresh hot mix asphalt surface. The Tennessee Department of Transportation (TDOT) wanted to improve the appearance of the shoulders, eliminate existing cracks less than 1/8" and evaluate how well eFog would perform in comparison to a conventional SS-1 fog seal in a nearby county.

Contractor Eubank Asphalt Paving & Sealing (Eubank) shot the rejuvenating fog seal at a rate of 0.11 gallons per square yard, achieving uniform coverage from start to finish. At the time of application, the product's temperature was 145°F and had been diluted with hot water for a 50/50 mixture.

Eubank's planning included multiple distributors, which enabled the company to apply two loads of eFog in less than two hours. Despite a humid, cloudy day, the average cure time of the material was between 35 and 40 minutes.

Crew members were stationed at major intersections to warn drivers of potential tracking, but eFog's polymer modifier provided a durable film thickness which was resistant to tracking, and no tracking was reported.

Shortly after the rejuvenating fog seal was applied, a heavy rainstorm blanketed the job site. The material held up exceptionally well. One week after application, Eubank revisited the project and noted that the product continued at peak performance in spite of excessive wet weather. TDOT's Director of Materials & Tests Division was impressed with the material in relation to tackiness, lack of runoff, cure time and the appearance of penetration.