

SAVE MY **ROAD**

Problem: Resurfacing high-traffic roadway

Solution: Premium chip seal

Success Story: Premium Chip Seal

Looking to repave a section of I-10 just west of San Antonio, the Texas Department of Transportation (TxDOT) was faced with a need that was bigger than their budget. The team had scheduled a mill and inlay that was projected to cost \$4.5 million, a number far beyond the means of their budget. But rather than abandon the project entirely, TxDOT decided to consider alternative solutions.

I-10 required a timely return for high-speed, high-volume traffic in excess of 14,000 ADT (average daily traffic) in some areas. The chosen application would need to provide a strong sealed surface with maximum aggregate retention and minimize potential for windshield damage.

It was determined that a chip seal was the appropriate solution as it would cost less than a quarter of the mill and inlay approach. Premium Chip Seal, supplied by Ergon Asphalt & Emulsions, had been performing well in other areas within the district, so TxDOT elected to use this product once again.

The team followed industry-established best practices, and with only a few adjustments made to application rates, the crew was able to finish the entire process within one hour.

The project was completed with no outstanding issues, and the goals of (1) a timely return to traffic, (2) application of a good seal to keep water out of the base, (3) maximum stone retention for safety and (4) minimum windshield damage during construction were met.

The surface treatment is expected to extend the life of this section of the interstate system up to seven years, allowing for TxDOT's savings to be used for treatments in other areas within the district.