

# SAVE MY **ROAD**

**Problem:** Improving pavement preservation index

**Solution:** Hot in-place recycling

## Success Story: Hot In-Place Recycling

The Kansas Department of Transportation (KDOT) determined that a 39-mile stretch of road in Ellsworth County and Lincoln County was in need of pavement preservation. While the existing structure was in good shape, significant cracking and oxidation were present in the surface. The team believed they could improve the surface by using hot in-place recycling (HIR) with a chip seal to serve as a wearing course.

The road carried a high percentage of heavy truck traffic, which accelerated cracking. To complete the project with minimal delays, KDOT provided a two-lane traffic control with a pilot car. All roadway distresses were repaired within 31 days.

The entire HIR process required 170,909 gallons of ARA-2P. KDOT had used HIR for years, saving the state millions of dollars over the conventional mill and fill option.

The process successfully improved the Pavement Restoration Index, and it is estimated that the extended life of the roadway is 7-10 years. Due to the success of this project and a successful history of HIR, KDOT plans to continue using this process in the future.