

# SAVE MY ROAD

**Problem:** Thermal and fatigue cracking

**Solution:** eFlex ES premium slurry seal

## Success Story: Premium Slurry Seal

Several roads within the City of Santa Clara, Utah's, network were set to receive slurry seal treatments in accordance with the City's 2017 Slurry Seal Program. The roads to be treated all suffered from thermal and fatigue cracking. Commonly used in the western United States, latex modified slurry seal was the initial emulsion supplied for this project until eFlex ES was pitched as a premium slurry that could offer increased durability and resistance over conventional and modified slurries.

eFlex ES is a premium slurry seal designed to correct minor distresses and extend pavement service life for a minimum of 7-9 years when applied at the right stage. A high level of polymer enables eFlex ES to provide enhanced friction for added safety in rainy weather, resist snowplow damage during the City's few days of snowfall and cure faster with even greater long-term protection than conventional slurries.

Paragon Technical Services performed product testing to ensure eFlex ES would work seamlessly with the existing aggregate on the chosen roads. Should the increased performance and durability of eFlex ES entice agencies to make the transition to the premium side, it was important to see that application equipment and other materials remained unchanged.

As recommended, all cracks 1/4" or greater were sealed prior to application. In just three days, eFlex ES was applied at 14 pounds per square yard to each road with a break time of five minutes, a quick cure time of approximately 25 minutes and a return-to-traffic time of three hours. The only inconvenience during application was completing handwork before emulsion break, which the contractor, Intermountain Slurry Seal, adjusted to accordingly.

One of the many advantages of eFlex ES that swayed the city to try the premium slurry seal was the promise of less power steering marks and raveling. Four weeks post application, no raveling on any of the four roads treated with eFlex ES had been observed.

The City of Santa Clara was very pleased with the overall eFlex ES application, most notably, the premium slurry seal's ability to cure and open to traffic quickly.