

SAVE MY ROAD

Problem: Mass cracking

Solution: Rejuvenating scrub seal

Success Story: Rejuvenating Scrub Seal

Mass cracking of roadways in Yuma County, Arizona, had become so severe, they required immediate attention. After evaluating all of the options and taking budget constraints into consideration, eScrub, a rejuvenating scrub seal, was chosen as the best solution to the challenge.

Ergon Asphalt & Emulsions formulated a mass crack seal emulsion, CMS-1PC, using cutting-edge technology and materials. The emulsion was manufactured using a PG 64-22 base and included the proven rejuvenator Reclamite, plus a durable polymer modifier. The aggregate provided by Yuma County met International Slurry Surfacing Association Type II requirements, which made it ideal for the project.

A specialty broom sled was attached to the distributor truck to mechanically force the rejuvenating emulsion into the voids and cracks of the roadway. While this method can be time consuming, production times were comparable to conventional chip seal methods.

The roads remain in good condition years after project completion. To address friction loss that usually comes with a scrub seal, Yuma County typically places another chip seal surface within six months of construction completion; however, the chosen formula negated the need for another layer, further reducing the cost of repairing this roadway.