

Venture Parkway Maintenance Overlay — Redding, California



Project:

Venture Parkway Maintenance Overlay — Redding, California

Location:

Venture Pkwy, Redding, Shasta County, California

Date:

2026

Contractor / Producer:

Eagle Paving

Surface Tech Product:

ACE XP™ 38mm Aramid Fiber (Single Dose)

ACE XP™

What We Did

Not every fiber job is a 3,000-ton highway placement. On Venture Parkway in Redding, Eagle Paving placed 153 tons of ACE XP aramid fiber-reinforced asphalt in a single day — proof that fiber reinforcement scales down to small maintenance jobs just as cleanly as it scales up.

- **Reinforced Mix:** A ½" PG 64-16 mix with 25% RAP, reinforced with ACE XP 38mm aramid fibers at a single dose, produced by J.F. Shea.
- **Small-Job Flexibility:** With the plant's dosing machine mid-replacement, the fiber was hand-dosed — maintaining precise single-dose accuracy across the full 153-ton production run.
- **One-Day Maintenance:** The complete placement went down in a single day, and the finished carpet looked great behind the paver.

Project Scope & Objectives

Surface Tech Contact:

806 S. Coast Highway 101, Encinitas, CA 92024

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com



Case Study



Venture Parkway needed a maintenance overlay built to outlast a conventional thin lift under Redding's intense summer heat and commercial traffic. The project paired J.F. Shea's 25% RAP production with ACE XP 38mm fiber reinforcement — demonstrating that even a 153-ton job can carry the same reinforcement technology used on major highway and airport work, with dosing flexibility to match the scale.

Challenges Overcome

The plant's automated dosing machine was mid-replacement when the job hit the schedule. Rather than delay, the fiber was manual-dosed into production — a simple, verifiable process that held single-dose accuracy across every ton. The result: an on-schedule placement and a finished mat the crew was proud of.



The finished ACE XP-reinforced overlay on Venture Parkway — placed in a single day

Surface Tech Contact:

806 S. Coast Highway 101, Encinitas, CA 92024

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com



Economic & Environmental Advantages

- **Fiber at Any Scale:** The same aramid reinforcement used on major highway work delivered on a 153-ton maintenance job — no minimum tonnage required.
- **Dosing Flexibility:** Automated or hand-dosed, ACE XP's simple single-dose addition keeps projects on schedule regardless of plant equipment status.
- **High RAP Compatibility:** ACE XP performed in a 25% RAP mix, supporting recycled-content goals on even the smallest placements.
- **Heat and Traffic Durability:** Fiber reinforcement resists the rutting and cracking driven by Redding's summer heat and commercial loading.
- **Lower Life-Cycle Costs:** A longer-lasting overlay stretches maintenance budgets further — especially valuable on small, recurring paving programs.
- **Sustainable Pavement Design:** Extended service life plus 25% recycled content reduces material consumption and future construction impacts.

Client Feedback and Results

The 153-ton placement finished in a single day with a clean, uniform carpet behind the paver — demonstrating that ACE XP integrates just as smoothly into small municipal and commercial maintenance work as it does into major infrastructure projects.

Surface Tech Contact:

806 S. Coast Highway 101, Encinitas, CA 92024

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com



Project Photos

Field documentation from JOB-2026-852 — 153 tons of ACE XP 38mm-reinforced mix placed June 1, 2026.



Fresh ACE XP-reinforced mat — tight, uniform texture behind the paver.



The reinforced overlay looking down the Venture Parkway alignment.

Surface Tech Contact:

806 S. Coast Highway 101, Encinitas, CA 92024

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com



Case Study



New mat placed at the section approach — crew finishing beyond.



Mix texture close-up: ½" PG 64-16 with 25% RAP and ACE XP 38mm fiber.

Surface Tech Contact:

806 S. Coast Highway 101, Encinitas, CA 92024

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com



Case Study



The completed lane under traffic control — single-day placement.



The finished carpet — clean, uniform, and ready for traffic.

Surface Tech Contact:

806 S. Coast Highway 101, Encinitas, CA 92024

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com

