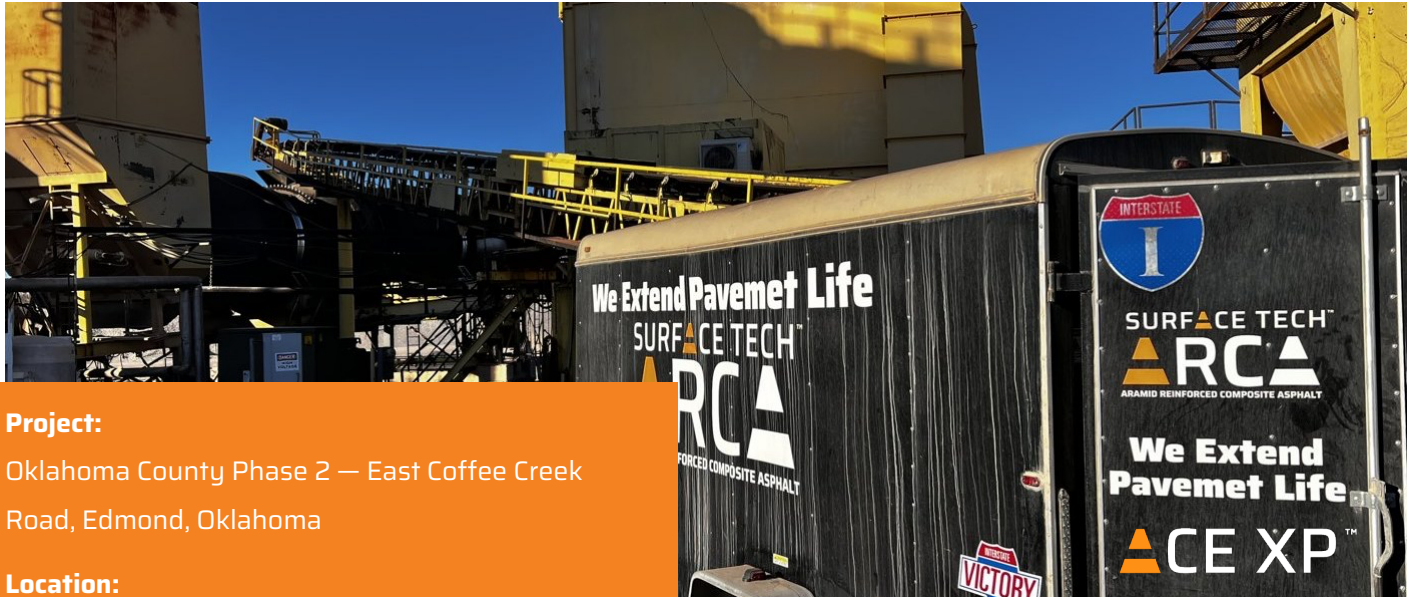


Oklahoma County Phase 2 — East Coffee Creek Road, Edmond, Oklahoma



Project:

Oklahoma County Phase 2 — East Coffee Creek Road, Edmond, Oklahoma

Location:

E Coffee Creek Rd (N Broadway to N Bryant Ave), Edmond, Oklahoma

Date:

2026

Contractor / Producer:

Haskell Lemon

Client:

City of Edmond & Oklahoma County (joint project)

Surface Tech Product:

ACE XP™ Aramid Fiber (Single Dose)

What We Did

As Phase 2 of a joint City of Edmond-Oklahoma County road repair program, Haskell Lemon placed 1,800 tons of ACE XP aramid fiber-reinforced asphalt on East Coffee Creek Road from N Broadway to N Bryant Avenue — a project that drew media attention for bringing aramid-reinforced pavement technology to Oklahoma County roads.

Reinforced Mix: A PG 64-22 B mix with 25% RAP, reinforced with ACE XP aramid fibers at a single dose, produced at Haskell Lemon's West Plant.

Plant-Side Dosing: Surface Tech's ARCA dosing equipment integrated directly at the West Plant, metering fibers into 1,800 tons of production with no changes to plant workflow.

Joint-Agency Delivery: Built as a new-build segment under the Edmond-Oklahoma County partnership, extending the program's reinforced-pavement approach across jurisdictions.

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Project Scope & Objectives

The City of Edmond and Oklahoma County partnered on a multi-phase road repair program, selecting East Coffee Creek Road between N Broadway and N Bryant Avenue for Phase 2. The objective: a longer-lasting pavement on a growing corridor, using aramid fiber reinforcement in a 25% RAP mix to maximize both performance and recycled content. The project was covered by The Oklahoman and highlighted by the City of Edmond, spotlighting the program's use of aramid (Kevlar-type) fiber-reinforced asphalt.

Challenges Overcome

Delivering a fiber-reinforced, 25% RAP mix in a January paving window required tight coordination between the West Plant and the paving crew. ACE XP's single-dose addition ran through Haskell Lemon's standard production process without slowing plant output, keeping the multi-day, 1,800-ton placement on schedule through winter conditions.



ACE XP aramid fibers dosing into production at Haskell Lemon's West Plant — Oklahoma County Phase 2

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Economic & Environmental Advantages

- **Extended Pavement Life:** Aramid fibers add three-dimensional tensile reinforcement throughout the mat, resisting the cracking and rutting that shorten pavement life.
- **High RAP Compatibility:** ACE XP performed in a 25% RAP mix, supporting aggressive recycled-content goals without sacrificing durability.
- **No Process Changes:** Single-dose fiber addition integrated with the West Plant's standard production and Haskell Lemon's conventional paving equipment.
- **Taxpayer Value:** A joint city-county program stretching public dollars further with a pavement engineered for fewer future maintenance cycles.
- **Public Visibility:** Media coverage by The Oklahoman and the City of Edmond showcased the program as a model for innovative, longer-lasting county roads.
- **Sustainable Pavement Design:** Longer service life combined with 25% recycled asphalt content reduces future construction impacts and greenhouse-gas emissions.

Client Feedback and Results

Phase 2 delivered 1,800 tons of fiber-reinforced pavement across the East Coffee Creek Road corridor in a six-day January window, with the reinforced 25% RAP mix running seamlessly through standard production. The joint Edmond-Oklahoma County program earned regional media coverage for bringing aramid-reinforced asphalt technology to local roads.

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Project Photos

Field documentation from JOB-2026-027 — 1,800 tons of ACE XP-reinforced 25% RAP mix, January 9-14, 2026.



Surface Tech's ARCA dosing trailer on site at Haskell Lemon's West Plant.



ACE XP aramid fibers dispersing into the mix stream during plant production.

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Case Study



Single-dose fiber addition metering into the 64-22, 25% RAP B mix.



The ARCA dosing unit integrated with the West Plant's production line.

Plant-side setup — fiber dosing feeding directly into standard production.

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