

## FedEx Ground Facility — Rockford, Illinois



**Project:**

FedEx Ground Facility — Rockford, Illinois

**Location:**

5460 Baxter Rd, Rockford (Cherry Valley),  
Winnebago County, Illinois

**Date:**

2025

**Contractor / Producer:**

Rabine Paving

**Client:**

FedEx Ground

**Surface Tech Product:**

ACE XP™ Aramid Fiber

### What We Did

At the FedEx Ground facility on Baxter Road in Rockford, Rabine Paving placed 635 tons of ACE XP aramid fiber-reinforced asphalt — new pavement engineered for one of the most demanding duty cycles in commercial paving: a round-the-clock package-distribution truck court.

**Reinforced Mix:** An aramid fiber-reinforced mix produced by Rock Road Companies, with heavy-duty areas receiving a double fiber dose per the field record.

**Logistics-Grade New Build:** New pavement placed at an active FedEx Ground distribution facility, built for constant trailer, tractor, and delivery-vehicle traffic.

**Distribution-Friendly Schedule:** Placement coordinated around the facility's operations, keeping the distribution network moving throughout construction.

**Surface Tech Contact:**

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## Project Scope & Objectives

Package-distribution facilities concentrate punishing loads: heavy tractor-trailers, tight-radius yard movements, constant braking and turning, and 24/7 operation that leaves little window for future repairs. The Rockford project paired Rock Road Companies' production with ACE XP aramid fiber reinforcement, delivering pavement engineered to resist the rutting, shoving, and fatigue cracking that logistics yards inflict on conventional asphalt.

## Challenges Overcome

Logistics pavements can't afford downtime — every future repair means disrupted operations. Fiber reinforcement front-loads durability into the initial placement: three-dimensional aramid reinforcement throughout the mat, with the heaviest-duty areas dosed at double rate, all running through Rock Road's standard plant production and Rabine's conventional paving equipment.

## Economic & Environmental Advantages

- **Built for Heavy Logistics:** Aramid reinforcement resists the rutting and shoving driven by loaded trailers, yard tractors, and constant turning movements.
- **Targeted Double Dosing:** ACE XP's flexible dosing allowed heavy-duty areas to receive double reinforcement where loading demanded it.
- **Minimal Future Downtime:** Extended pavement life means fewer repair closures at a facility that runs around the clock.
- **No Process Changes:** Fiber addition ran through Rock Road Companies' standard production and Rabine Paving's conventional equipment.
- **Lower Life-Cycle Costs:** Durable pavement reduces total cost of ownership across the facility's operating life.
- **Sustainable Pavement Design:** Longer-lasting pavement reduces future reconstruction impacts and material consumption.

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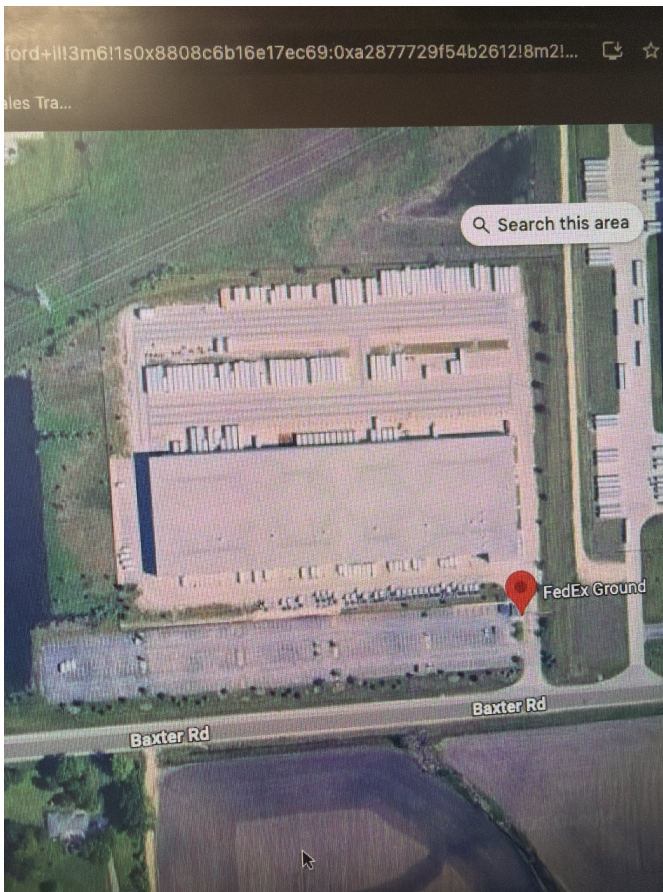


## Client Feedback and Results

The completed placement put a fiber-reinforced surface under one of the region's busiest package-distribution operations — extending Surface Tech's track record in heavy-duty logistics and industrial paving with national-brand facility owners.

## Project Photos

Site documentation from JOB-2026-018 — 635 tons of ACE XP-reinforced pavement, FedEx Ground Rockford.



*Aerial view of the FedEx Ground facility and truck court at 5460 Baxter Rd, Rockford.*

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