

The Economics of Concrete Pavements

Building for the Future

INVESTING IN INFRASTRUCTURE THAT LASTS

Durable infrastructure provides **significant long-term value**.

Maximize taxpayer dollars and **ensure reliability** for decades to come by moving beyond short-term fixes.



50+ YEAR LIFESPAN

Concrete delivers an extended service life with minimal maintenance requirements.



COST EFFICIENCY

Maximizes public funds through a proven reduction in long-term repair costs and interventions, and introduces additional competition into the market to lower prices.



SAFETY

Better nighttime visibility due to concrete's reflectivity. Plus, concrete pavements are engineered to withstand heavy traffic loads and freeze-thaw cycles, reducing the frequency of disruptive work zones.

WHY CONCRETE PAVEMENTS MAKE ECONOMIC SENSE

SMART DECISIONS FOR LONG-TERM VALUE

Life Cycle Cost Analysis is a critical **data-driven evaluation tool** supported by the FHWA and FAA.

States and municipalities can use LCCA to make informed funding decisions that account for all costs over a project's entire lifespan, not just initial construction. This ensures **optimal allocation of resources** and prioritizes sustainable, long-term performance.



REDUCED CONGESTION

Fewer work zones and maintenance closures lead to less traffic and fewer delays for commuters and commercial transport.



FUEL EFFICIENCY

Concrete pavements are rigid and smooth—qualities that can lower fuel consumption for both heavy trucks and passenger vehicles. It's another way that concrete pavements save taxpayers money.



RESILIENCE

Concrete pavement's rigidity enables it to withstand extreme weather events better than flexible pavements, while delivering on performance and quality.

CONCRETE PAVEMENTS: A WIN FOR EVERYONE

BUILD FOR THE FUTURE

Prioritizing durable and resilient materials is essential for building a modern infrastructure network. Concrete pavements provide the **safety, reliability, and long-term value** required to support future generations.