

# **CONCRETE PARKING DELIVERS**

▶ **WITH REAL ENVIRONMENTAL BENEFITS, MORE CURB APPEAL AND THE LOWEST 5-10 YEAR TOTAL COST, CONCRETE PARKING IS LIKE MONEY IN THE BANK.**



**Concrete Delivers**

*Engineered concrete solutions for sustainability, durability and value.*

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► **CONCRETE PARKING DELIVERS BEAUTY, DURABILITY, VALUE AND SIGNIFICANT ENVIRONMENTAL BENEFITS**

Concrete stands the test of time better than any other leading building material. While its strengths are legendary, environmental concerns and new technologies make concrete an even smarter choice today.

By choosing a concrete parking area, you are selecting a more durable pavement that will require much less maintenance over the course of its lifetime -- a considerably longer life than alternative pavements. Through its strength, durability, custom appearance, ease of construction and return on investment, concrete parking is the best choice for optimal value.

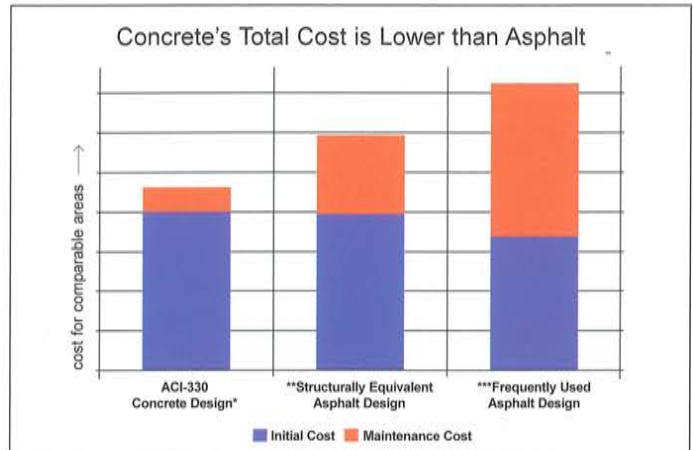
► **AN INVESTMENT THAT PAYS IN THE SHORT TERM**

Concrete parking areas pay for themselves in the short term, then deliver long-term savings. Compared to asphalt:



**Concrete parking delivers curb appeal:** Bright, white concrete enhances any property. Plus, increased reflectivity can lower cooling and lighting costs.

- Concrete increases curb appeal for customers and tenants, boosting rental values and revenue.



**Concrete parking delivers value:** Factoring initial placement, maintenance and repair costs, compared to asphalt, concrete costs less over its useful life.

\*ACI-330 is the American Concrete Institute's authoritative document on concrete parking area design.  
 \*\* A structurally equivalent asphalt design is engineered to have the same load carrying capacity as the ACI-330 Concrete Design.  
 \*\*\*While the frequently used asphalt design may be the the cheapest to buy, because it is often under-designed in load carrying capacity, it is the most expensive to own.

- Normal maintenance costs of asphalt pavements – sealing, restriping, resurfacing and loss of business during maintenance operations – exceed those needed for concrete.
- Concrete parking lots may include an integral curb and gutter, saving time and reducing subcontract labor.
- Concrete stays cooler to reduce energy costs for surrounding buildings.
- Concrete's greater reflectivity can lower infrastructure and ongoing lighting costs, while boosting safety for vehicles and pedestrians.\*

**Need more proof?** Ask about Concrete Pavement Analyst, the software that takes dozens of important factors into considera-



tion to compute the true cost of your alternatives.

\*Comparative research by the Portland Cement Association demonstrated that concrete parking areas require fewer lighting elements than other surfaces and can yield energy savings up to 30 percent.

► **ADVANCED TECHNOLOGY OFFER SPEED AND LOWER COSTS**



**Concrete parking delivers speed and lower installed cost:** Concrete pavement technology is continually improving. Laser screeds speed up placement time, improve accuracy and reduce labor costs.

Concrete paving technology continues to advance, making concrete construction quicker and more of a value than ever. Innovations such as slipform paving machines offer the highest production rates of any construction method and yield uniform, durable surfaces. Advanced finishing methods like laser screeding combine precision and speed to lower installed costs and produce the highest quality results.

► **FEATURES FAVORED BY MOTHER NATURE**

Concrete parking areas are environmentally friendly in many ways. The light-colored surface reduces "heat island" effects, lowers lighting costs and protects streams and lakes because its cooler surface results in cooler stormwater runoff. Pervious concrete, a specialized concrete innovation that is being implemented in many parts of North America, allows rainwater to pass through and thereby supports ground water recharge and



tree growth, and may eliminate the need for traditional stormwater management systems. Concrete can also be made using fly ash from coal burning power plants and blast furnace slag from steel manufacturing, reducing landfill needs. Concrete's service life is measured in decades, but when the end finally comes, concrete can be crushed and recycled as a high quality aggregate for hundreds of applications. Plus, eco-friendly characteristics like these help concrete contribute to important LEED credits.

► **ADD IT UP, NOTHING DELIVERS LIKE CONCRETE PARKING**

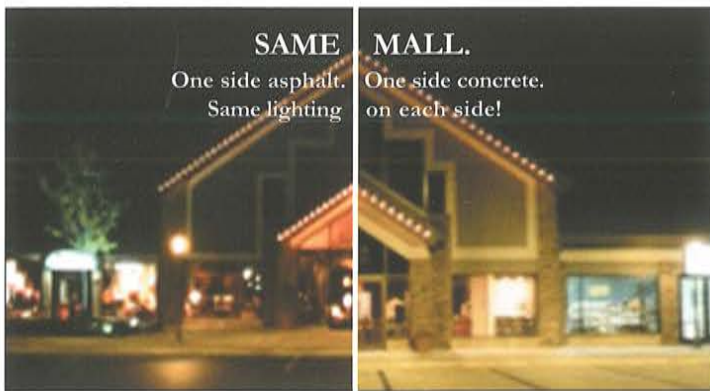
In apples-to-apples comparisons, using ACI, AASHTO or other procedures to ensure structural design equivalents, concrete parking delivers financially, aesthetically and environmentally. Find out for yourself. For more information visit [www.concretoparking.org](http://www.concretoparking.org) and, on your next project, let concrete deliver for you.



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**Concrete parking delivers enhanced safety:** With three times the reflectivity of asphalt, concrete parking requires less lighting, reducing costs by up to 30%, while providing enhanced safety.



**Concrete parking delivers versatility:** Concrete surfaces can be placed with an array of textures, shapes, patterns and colors.



**Concrete parking delivers all-around value:** Concrete parking offers competitive initial costs and is virtually maintenance free.

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### ► BENEFITS OF CONCRETE PARKING

Concrete parking areas offer superior performance when compared to pavement alternatives. Incorporating straightforward design and ease of construction, concrete parking is also the economical choice for the long term, because of its strength, durability and minimal maintenance requirements.

- **Strong and Durable** – No other paving material approaches concrete's strength and durability in standing up to heavy usage and truck traffic.
- **Competitive Initial Cost** – Without expensive bases and reinforcement, and with integral curbs and gutters, projects can be completed in one pass, more quickly than the alternatives
- **Most Economical Over Long Term** Concrete pavement lasts longer, without the need for resurfacing, patching or surface sealing.
- **Enhanced Safety** – Concrete's reflective surface means brighter and safer surroundings for pedestrians and drivers at a lower lighting cost.
- **Environmentally Friendly** – Concrete is produced from abundant natural resources, reduces toxic run-off and can be easily recycled. It is also cooler in the summer which provides outdoor comfort while reducing the "heat island" effect.
- **Upscale Appearance** – Concrete's clean look creates a good first impression and lasting sense of quality for customers, tenants and employees.
- **Versatility** – Concrete can be fashioned with an array of decorative textures, shapes, patterns and colors.

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