SUMMARY

# SAFETY / SUSTAINABILITY / ENVIRONMENTAL

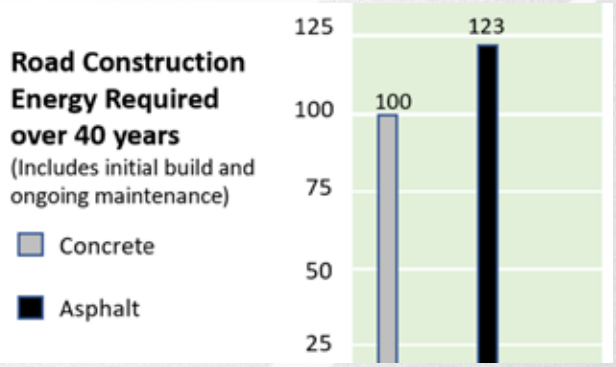
## The top reasons to consider concrete for paving

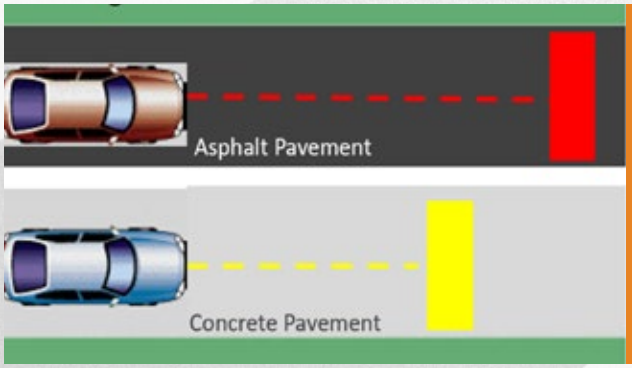
### LOCALLY SOURCED RAW MATERIALS

Concrete uses locally sourced raw materials. Concrete Pavement is not dependent on foreign petroleum-based products such as oil derivatives. Concrete production supports the local economy.

### LOWER ENERGY FOR CONSTRUCTION

Overall concrete pavement uses less energy consumption, which produces a smaller environmental footprint. With properly designed concrete it can last over 40 years.



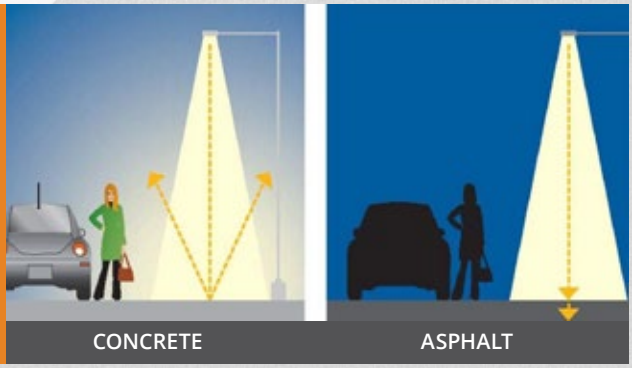




### SAFETY: BETTER BRAKING DISTANCE

Concrete with its rigid structure is safer than other paving systems. Shorter braking distances in wet or dry conditions is one of the benefits of concrete.

### SAFETY: BETTER LIGHT REFLECTIVITY

Concrete has superior light reflectance which improves safety. Better light reflectance also improves safety.




American Concrete Pavement Association

FOR MORE INFORMATION GO TO: **ACPA.ORG**

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### SAFETY/ROAD WORKERS

When pavement lasts 40 years or more, there is less repair which means road workers aren't put at risk doing repairs while traffic races by.

### NON-PETROLEUM BASED

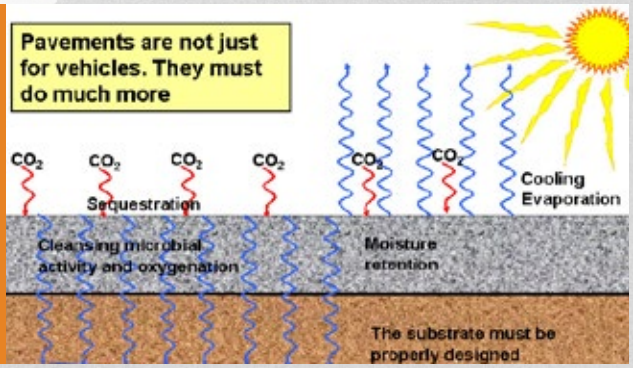
Concrete is not petroleum based. There is not odor or stench when concrete pavement is placed.

### 100% RECYCLABLE

Concrete is 100% recyclable, often re-used on the same project site. Concrete can be reused for base material, new concrete, granular fill, and carbon sequestering.

### CARBON DIOXIDE ABSORPTION

As concrete paving ages it absorbs carbon dioxide, helping to reduce the amount of CO2 in the atmosphere. This process is called carbonation.



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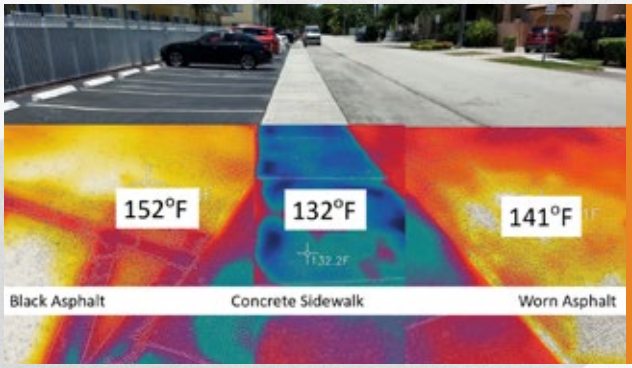
## The top reasons to consider concrete for paving

### REDUCES SMOG AND HELPS OZONE

Concrete has a high level of light reflectivity, making it safer to drive on at night. During the day, heat and light are reflected reducing urban heat islands.

### REDUCED CONGESTION

Concrete is produced locally, with local labor, supporting local communities, which is great for the economy.




### HEAT ISLAND REDUCTION

Concrete is fully recyclable, more than 140 million tons of concrete are recycled and reused every year.

### INCREASED FUEL EFFICIENCY

The rigidity of the concrete enables for a better grip and touch point of vehicle tires. This provides a quieter, safer and smoother ride than other paving systems.

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