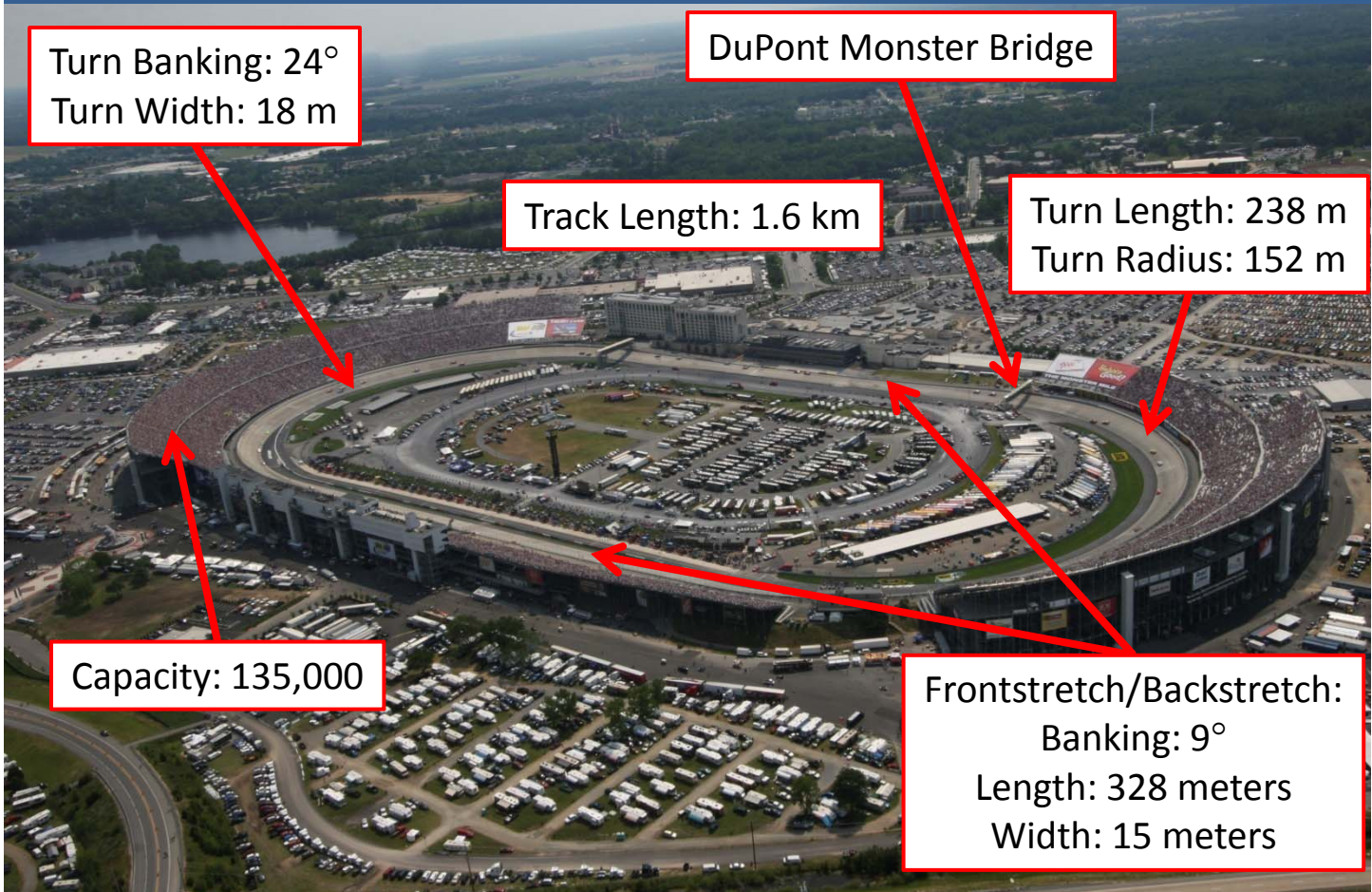
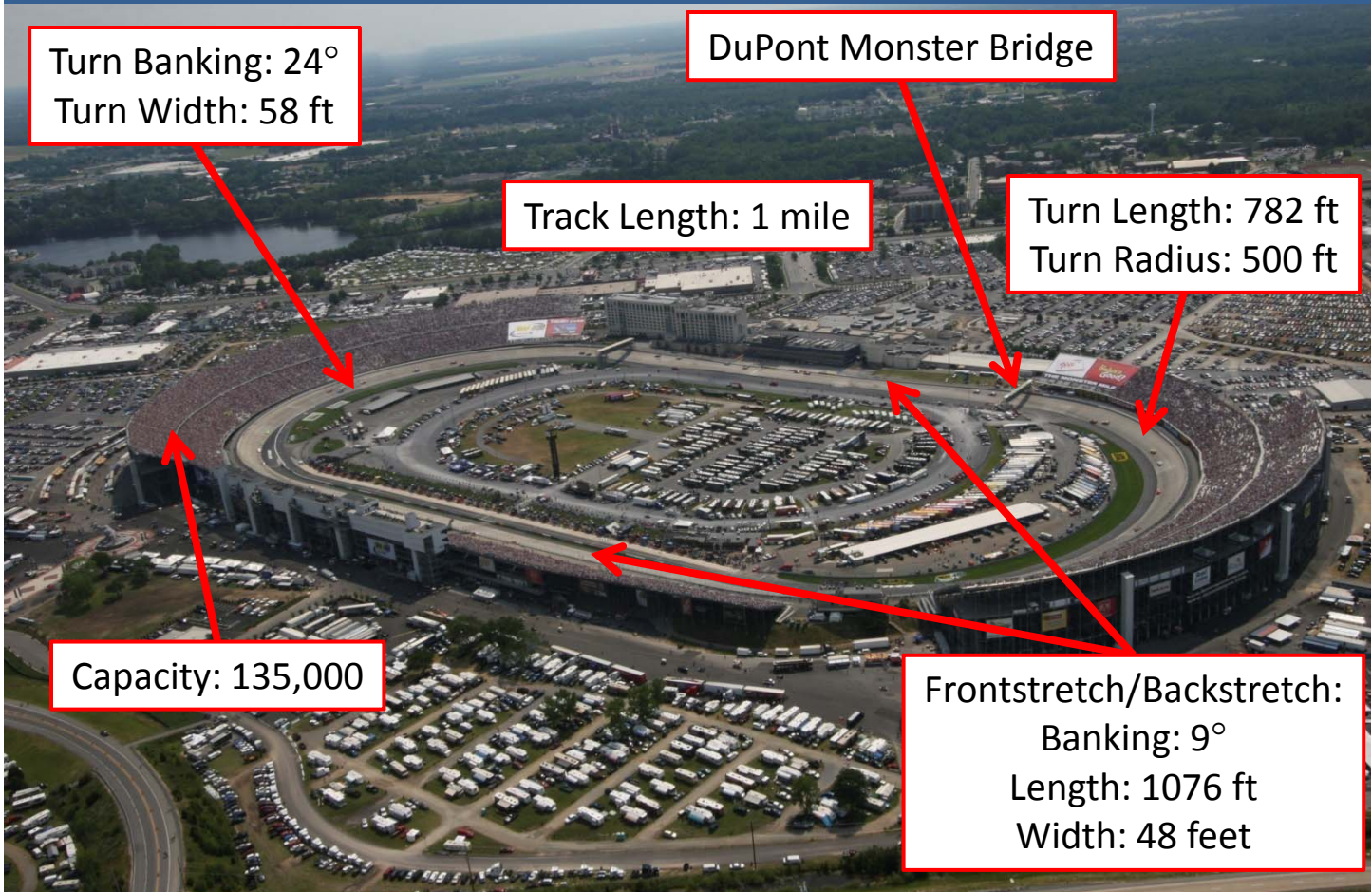


The Science of Dover International Speedway



- Dover International Speedway is one of only two all-concrete tracks on the NASCAR Sprint Cup Series circuit. Concrete, being light colored, doesn't absorb heat as readily as asphalt. That's why concrete tracks don't change as much as asphalt tracks over the course of a race.
- The DuPont Monster Bridge sits 8.8 meters above the track. DuPont's advanced building technologies let fans safely see—and feel—the cars as they pass by at 80.5 meters per second.
- A car's tires have to generate 36,390 newtons of force to take the corners at 58.1 m/s. The driver feels a force about 2.3 times his body weight going around the turns. For comparison, astronauts on the space shuttle feel a force about three times their body weight on lift-off.
- Turns make up 970 meters of the 1.6 km speedway. Drivers are turning 60% of every lap.
- Miles the Monster, at a height of 14 meters, is about eight times taller than a typical NASCAR driver. Miles' palm has an area of more than 9.30 square meters and holds a full-sized car.
- While Miles looks like concrete, he's actually made of an advanced fiber-reinforced plastic that is pound-for-pound stronger than steel.

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- The DuPont Monster Bridge sits 29 feet above the track. DuPont's advanced building technologies let fans safely see—and feel—the cars as they pass by at 180 mph.
- A car's tires have to generate 8,180 lbs of force to take the corners at 130 mph. The driver feels a force about 2.3 times his body weight going around the turns. For comparison, astronauts on the space shuttle feel a force about three times their body weight on lift-off.
- Turns make up 3,182 feet of the one-mile speedway. Drivers are turning 60% of every lap.
- Miles the Monster, at a height of 46 feet, is about eight times taller than a typical NASCAR driver. Miles' palm has an area of more than 100 square feet and holds a full-sized car.
- While Miles looks like concrete, he's actually made of an advanced fiber-reinforced plastic that is pound-for-pound stronger than steel.