Concrete Results

The Challenge
Develop a long-lasting parking solution for the growing number of commuters in Charles County and Southern Maryland.

The Solution
In addition to strength, builders needed a material that was environmentally-friendly, thanks to the location’s proximity to Chesapeake Bay tributaries. Pervious concrete was chosen as it allows rainwater to pass through the parking surface and seep slowly into the ground to be filtered naturally. This reduces the amount of nitrogen and phosphorous from entering the Chesapeake Bay.

The Results
By choosing pervious concrete, the Maryland Department of Transportation’s Maryland Transit Administration was able to build a strong parking solution that is cost effective and can withstand Maryland’s cold winters and reduce pollutants from entering the Bay.

Waldorf Park and Ride
Baltimore, MD

Design Factors:
- Project: Commuter Bus “Park and Ride” Lot
- Scope of Work: Pervious concrete, reinforced concrete, sidewalk, curb and gutter.

Concrete Placement:
- Parking Spaces: 550
- Subgrade: Un-compacted
- Benefits: Pervious concrete protects Chesapeake Bay Watershed by preventing groundwater runoff.