

IMPROVING PAVEMENT
SUSTAINABILITY THROUGH

RECYCLING

THINK GREEN
REDUCE, REUSE, RECYCLE

As quality
resources are
depleted, it is
important to:

REDUCE

the use of virgin resources

REUSE

existing pavement structures
to the extent possible

RECYCLE

pavement materials even more aggressively
in new and rehabilitated pavement structures

- Over 100 million tons
of reclaimed asphalt
pavement produced in 2018

source: [National Asphalt
Pavement Association](#)

- About 140 million
tons of recycled
concrete aggregate
produced annually

source: [Construction Materials
Recycling Association](#)

ENVIRONMENTAL:

reduced energy
consumption & emissions

ECONOMIC:

reduced pavement
construction costs

SOCIAL:

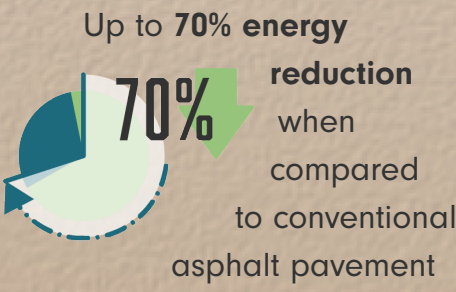
reduced waste &
disposal issues

WHY RECYCLE?

CASE STUDIES

In-Place & Central- Plant Recycling of Asphalt Pavements in Virginia

Virginia DOT demonstrated the use of in-place recycling and central-plant recycling methods for two major rehabilitation projects: I-81 near Staunton, VA and I-64 near Williamsburg, VA.



[Learn more about the Virginia asphalt pavement recycling projects](#)

Use of Recycled Concrete Aggregate (RCA) in Concrete Pavements in Texas

To better understand RCA usage in continuously reinforced concrete pavements, Texas DOT used it in the reconstruction of a 5.8-mile segment of I-10 near Houston, TX.



[Learn more about the Texas RCA project](#)