CONCRETE

DID YOU KNOW THAT APPROXIMATELY 200 MILES OF CONCRETE PAVEMENT ARE RECYCLED EACH YEAR?[1]

Much of our nation's transportation infrastructure now requires significant renovation and replacement. Many contractors are recycling concrete as a supplement to natural aggregates such as crushed stone, sand and gravel.

- 44 states now use recycled concrete as a road base.[2]
- Between 1994 and 1996, the use of recycled crushed concrete aggregates in making concrete increased by 170 percent.[3]
- Approximately 5,996 tons of concrete can be reclaimed from every one mile of concrete pavement with an average thickness.[4]

COMMON USES OF LARGE BLOCKS OF RECYCLED CONCRETE INCLUDE:

- Erosion control material
- Shoreline protection material

THE PRIMARY USES OF RECYCLED CRUSHED CONCRETE ARE:

- Base material for roads
- Base material for footings and foundations
- Landscaping material
- Drainage material placed around underground pipes
- Aggregate in new asphalt or concrete

RECYCLED CONCRETE CUTS COSTS!

- No transportation fees for hauling used concrete to landfills! Saves about $0.15 per ton per mile!
- No landfill disposal fees! Saves up to $100 per ton![5]

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[1] Symposium Proceedings, October 1993, EPA, "Recovery and Effective Reuse of Discarded Materials and By-Products for Construction of Highway Facilities."

[2] A Report of the Interagency Working Group on Industrial Ecology, Materials and Energy Flows, August 1998.

[3] U.S. Geological Survey.

[4] Report to Congress, June 1993, U.S. DOT/FHWA/EPA, "A Study of the Use of Recycled Paving Material."

[5] *Ibid*.

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