

# DEPUTY DIRECTIVE

Number: DD-17

Refer to  
Director's Policy: 06--Environmental  
12--Optimize Departmental Assets  
and Resources

Effective Date: 11-17-93

Supersedes: P&P 81-7

Title: Recycling Asphalt Concrete

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## POLICY

Caltrans recycles, where feasible, Asphalt Concrete (AC) for use in highway construction, maintenance and rehabilitation projects utilizing the Department's priority hierarchy. Public and employee health and safety are not compromised by recycling AC on any projects.

## DEFINITION/ BACKGROUND

Caltrans and other State and local agencies have shown that reclaimed AC can be used as an acceptable, economical substitute for new aggregate and asphalt. This Directive conforms to AB 1306, which encourages State agencies to use more recycled materials in road construction and repair. It complies with the agreement reached in the legislative hearings of the Senate Select Committee on Source Reduction and Recycling Market Development, which required Caltrans to establish a hierarchy of AC recycling priorities.

The priority of recycling AC is established as follows: 1) incorporate into new asphalt concrete, 2) substitute for virgin aggregate in aggregate base, 3) substitute for virgin aggregate in aggregate sub-base, and 4) use as shoulder backing. Any recycling in accordance with priorities 2, 3, and 4 will be done in accordance with the January 27, 1993 memorandum to all District Directors regarding "Department of Fish and Game Agreement on AC Grindings, Chunks, and Pieces".

## RESPONSIBILITIES

District Directors and the Chiefs of the following Divisions: Construction, State and Local Project Development, Maintenance, Engineering Management, and New Technology, Materials and Research:

- Ensure that AC is recycled whenever there is a savings in energy, nonrenewable resources, and costs.
- Ensure implementation of Caltrans' recycling priorities.
- Contract for appropriate AC disposal when stockpiling is not feasible.
- Encourage and strongly support innovative uses for reclaimed AC.
- Designate an AC recycling coordinator to act as liaison with the Caltrans Value Engineering/Resource Conservation Branch.

The Chief, Office of Project Planning and Design:

- Promotes, coordinates, facilitates and monitors implementation of this Directive.
- Submits annual AC recycling report to the Director.
- Implements, as appropriate, pavement design standards pertaining to AC recycling recommended by the Division of New Technology, Materials and Research.
- Coordinates Departmental responses to legislation related to AC pavement recycling.
- Ensures that any decision to not employ AC recycling is properly justified.
- Promotes, coordinates and facilitates the transfer of information between Caltrans and private companies.
- Serves as AC recycling coordinator to the Waste Management Board and other State agencies.

The Chief, Division of New Technology, Materials and Research:

- Provides technical assistance and training to implement this Directive.
- Conducts studies of different AC recycling alternatives and makes recommendations to the Office of Project Planning and Design.

*APPLICABILITY*

All employees involved in the selection of design strategies for new pavement and pavement maintenance and rehabilitation projects.



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