

Roads, Airfields,  
Bridges and Tunnels  
(Concrete-based)

# Concrete Thin-Layer Overlay



**A thin layer of concrete is laid on top of the existing, deteriorated concrete pavement to restore its surface properties.**

## Overview

- This is a method for improving the road surface quality of concrete pavement where serviceability has deteriorated due to rutting caused by wear.
- The existing concrete pavement is cut and blasted, followed by the pouring of concrete for a thin layer on it.



## Features

- Compared to the replacement of concrete pavement, the cost of this method can be reduced significantly.
- Use of ultra-fast hardening concrete can shorten the construction period.

## Applications

- Concrete pavement with deteriorated serviceability
- Airports
- Ports
- Tunnels