

Highway Project

This highway project is an important part of a major expressway. It facilitates transportation through challenging terrain.



Project Overview

Western Han Expressway Construction

The Western Han Expressway project serves as a prime example of high-complexity infrastructure development navigating the challenging terrain of the Qinling Mountains. By implementing rigorous quality management and technological innovations such as on-site modified asphalt processing, the project successfully overcame severe site constraints. The construction prioritized a 'zero-defect, low-cost' strategy, ensuring both high structural quality and efficient project delivery.

Technical Highlights

Technological Innovations

- Asphalt bucket device processing
- On-site modified asphalt processing
- Primary three-connected shop construction
- Advanced terrain stabilization

Quality Management

Strategic Focus

Zero-Defect, Low-Cost, Quality-Driven, Technical Innovation

Infrastructure Details

Key Features

Feature	Description
Terrain	Complex mountainous/Qinling
Structural Elements	Bridges and tunnels
Slope Management	Terraced retaining walls