

Achievement of the Year 2005

Hai Van Pass Tunnel Construction Project, Vietnam

Consulting Services

The Hai Van Pass Tunnel Construction Project is located near the city of Danang in Central Vietnam. The tunnel civil works were commenced in October 2000 and the breakthrough was celebrated in October 2003. Since then, installation of electrical and mechanical facilities has progressed rapidly aided by well-organized work coordination, and the tunnel was open to the public on 5 June 2005. The Consultant provided state-of-art project management with reference to the PMBOK.

Client Project Management Unit
No.85, Ministry of Transport

Financed by JBIC

Achieved by JV of Nippon Koei Co., Ltd.,
Japan and Louis Berger
International Inc., USA in
association with Transport
Engineering Design
Incorporation (TEDI),
Vietnam.

Period January 1998-October 2005

Scope

- ◆ Special Survey
- ◆ Detailed Design
- ◆ Tendering Assistance
- ◆ Construction Supervision
- ◆ Training and Technology Transfer.



Project Major Features

- 1) Project Length: 12,182m
- 2) Traffic Lane: 2 Lanes
3.75 +1.25 shoulder. Total 10.0m
- 3) Tunnel Length:
6,280m (Main Tunnel),
6,286m (Evacuation Tunnel)
1,888m (Ventilation Adit)
- 4) Tunneling Method: NATM
- 5) Cross-section: 89m²(MT), 15.5(ET)
36.2(VA)
- 6) Cross-Passage: 400m interval
- 7) Ventilation System: Longitudinal System, 23
Jet Fans, 3 EPs, 1 VA



Project Distinct Points

- ◆ 6.3km long highway tunnel
- ◆ 1st NATM tunnel in Vietnam
- ◆ Longitudinal Ventilation System
- ◆ SCADA for Overall System Control
- ◆ Tunnel O&M Agency required

Project Website

<http://haivan.cadp.jp/>