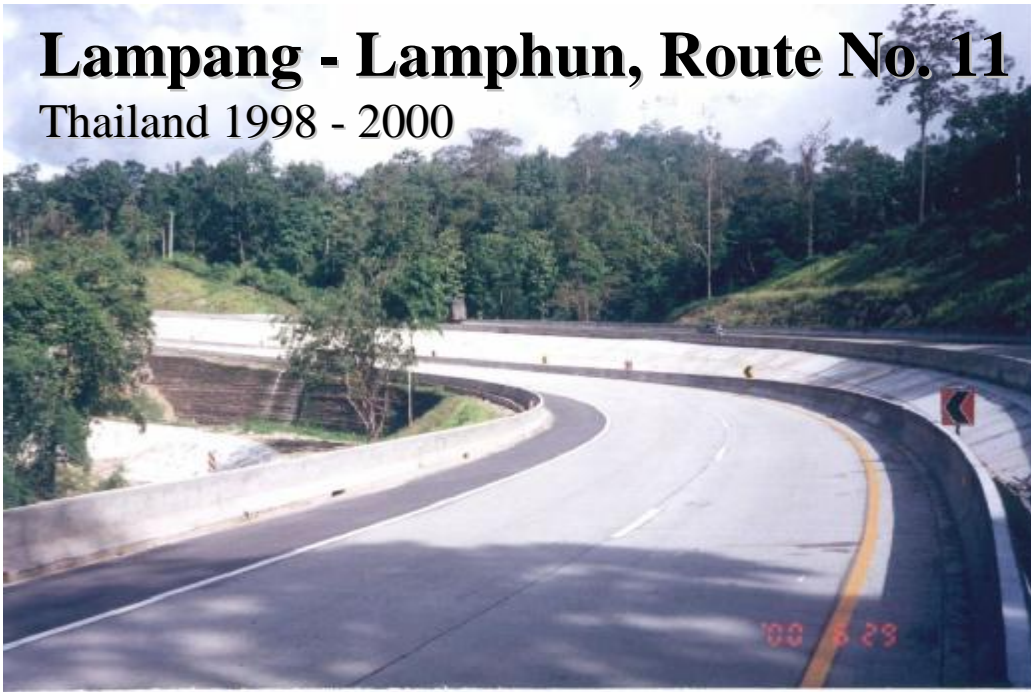


# Lampang - Lamphun, Route No. 11

## Thailand 1998 - 2000



### Client

Department of Highways  
Contract IBRD/LN 3968-TH(1)  
Ministry of Transport & Communications  
Royal Thai Government

### Designed by

Team Consulting Engineers  
Project Managers - Thai Engineering Consultants &  
Louis G Berger International Ltd.

### Constructed by

Christiani & Nielsen (Thai) PCL

6,300m<sup>3</sup> soil nailing; 9,600m<sup>2</sup> anchor retaining wall;  
3,000 No chemical rock bolts; 22,170 l.m. concrete crash  
barrier; 14,165 lm. Drainage ditches.

### Date of Commencement:

July 30th 1998

### Date of Completion:

July 14th 2000

### Description & Main Quantities:

Construction of 10.1 Kilometers four lane concrete highway with the main quantities of works comprising 113,400m<sup>3</sup> excavation; 165,640m<sup>3</sup> excavation soft rock; 154,420m<sup>3</sup> excavation of hard rock; 347,200m<sup>3</sup> embankments; 38,300m<sup>3</sup> subbase; 28,000m<sup>3</sup> crushed rock; 166,500m<sup>2</sup> 250mm thick concrete pavement; 655 l.m. R.C. box culverts; 18,600m<sup>3</sup> reinforced soil;