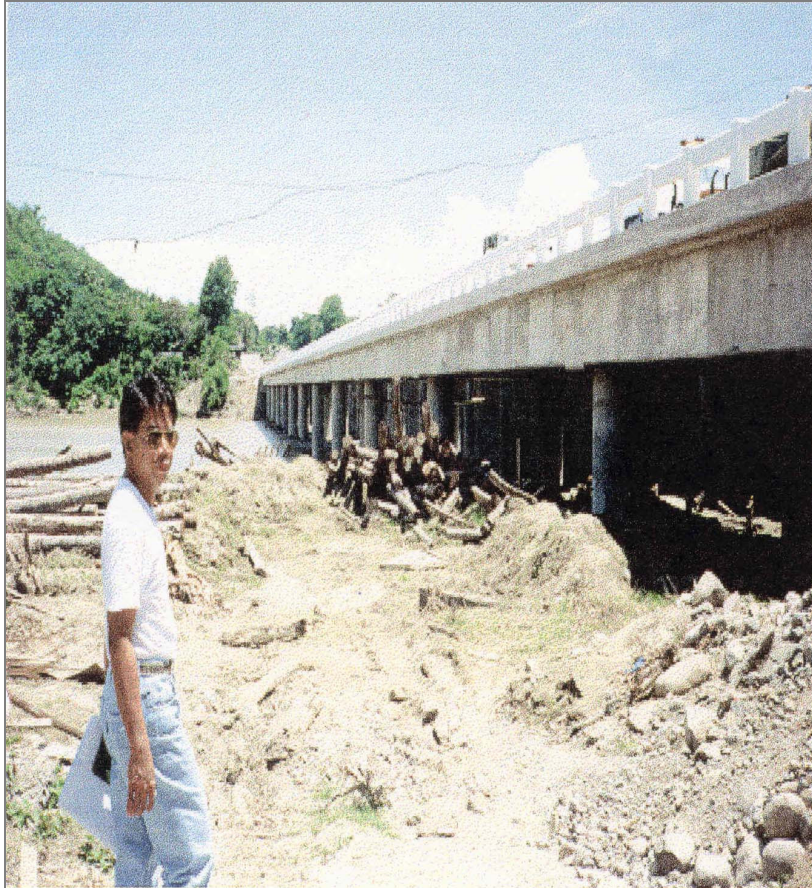


TRANS-ASIA

Earthquake-Damaged Infrastructure Rehabilitation Project (EDIRP)

Design and Construction of Roads and Bridges

**Client**

Department of Public Works and Highways

Project

Earthquake-Damaged Infrastructure Rehabilitation Project (EDIRP)

Location

Ilocos Norte & Sur, La Union, Philippines

Project Period

Start September 1991
End August 1994

Project Description

This bridge is one of the 48 bridges included in the Olongapo-Bugallon Road Project which transverses a total length of 284.5 kilometers along the west coast of Luzon Island, Philippines.

The consultancy assignment responsibilities included engineering design of new roads and bridges; development of farm-to-market roads; and associated minor roads. The Project included the construction of new asphalt concrete pavements, as well as the strengthening of the existing pavements with AC overlay. This highway considerably reduced the travel time from Olongapo City and other Zambales towns to the northern part of Luzon particularly to the resort beaches of Hundred Islands and La Union.

Scope of Services

Due to adverse soil conditions in certain areas, a special design was developed to ensure that the roads could withstand projected traffic loading. To support the engineering design, Trans-Asia conducted Benckelman Beam Testing to analyze the residual strength of the existing pavement. In addition, topographic survey and construction supervision was also rendered for this Project which has estimated cost of \$40 million.



Making
Technology
Work