

THE FIRST THAI-LAO FRIENDSHIP BRIDGE, Bearing Replacement *Thailand*

Work / Activity 1
Heavy lifting / Jacking
Work / Activity 2
Maintenance / Bridge and road
product replacement



Companie(s) : Freyssinet (Thailand)
Owner : Department of Highway,
Thailand & Department of
Highway, Laos

Subsidiary(ies) : Freyssinet Thailand - Menard

Beginning of works : 03/2008
End of works : 05/2008

Description of the work :

The First Thai–Lao Friendship Bridge is a bridge over the Mekong, connecting Nong Khai province and the city of Nong Khai in Thailand with Vientiane in Laos. With a length of 1170 m, the bridge has two 3.5 m- wide road lanes, two 1.5 m-wide footpaths and a single metre gauge railway line in the middle, straddling the narrow central reservation. It was the first bridge across the lower Mekong, and the second on the full course of the Mekong, opened on April 8 1994. The cost was about US\$30 million, funded by the Australian government as development aid for Laos.



Freyssinet mission :

As previous report form Maunsell Australia on April 2007. The report state the inspection of bridge structure and also including of their recommendation. Their proposed of remedial work have been solved on piers 8 and 15. Freyssinet (Thailand) was entrusted to perform the remedial work. Main structure movement at transition piers 8 and 15 were replaced of the existing top slide plate on the bearing with a new stiffed plate. Water leakage in the box girder has been corrected. The rail drainage system has been installed at expansion joint of both piers 8 and 15.