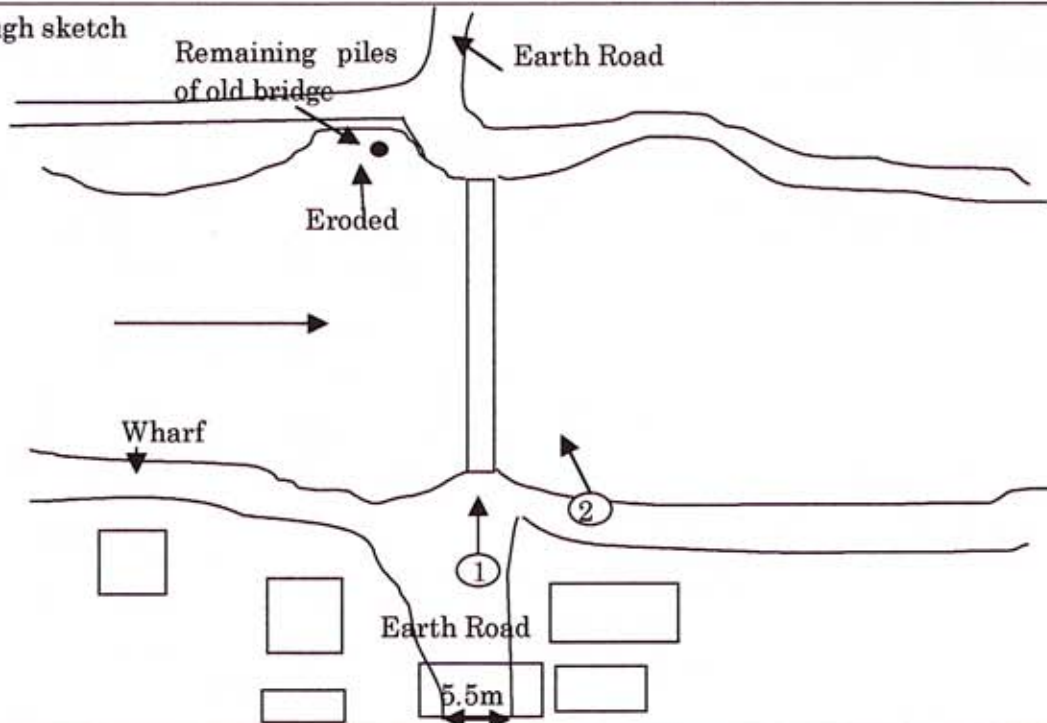


(32) Tra Tan (Tien Giang Province)

Other Information:

- 1) Existing vertical clearance is 3.0m, 4.5m requested by the Department of Transport.
- 2) A bridge with 8.0 ton capacity is found on the access road.
- 3) Construction of temporary jetty and demolition of existing bridge are necessary.

The site, rough sketch



Picture 1: ①

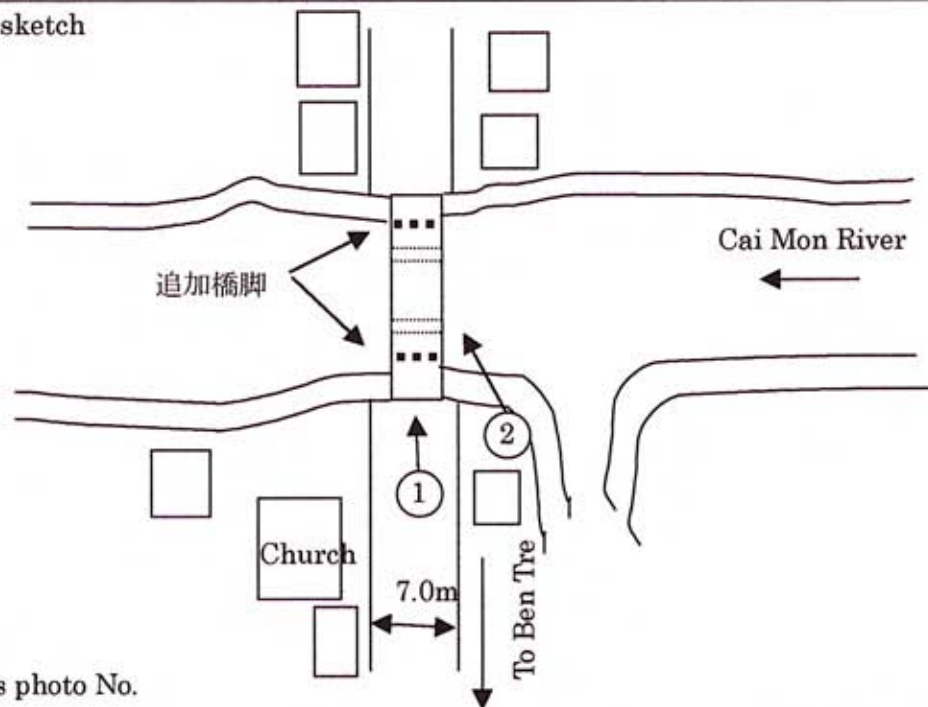


Picture 2 : ②

Other Information:

- 1) Existing bridge capacity 4t. Substructure reinforced in January 2000.
- 2) Planned load capacity 18t.
- 3) 48 hour closure to traffic during construction is permitted.
- 4) Proposed to retain the existing bridge, construct the new structure parallel to the existing.

The site, rough sketch



Picture 1 : ①

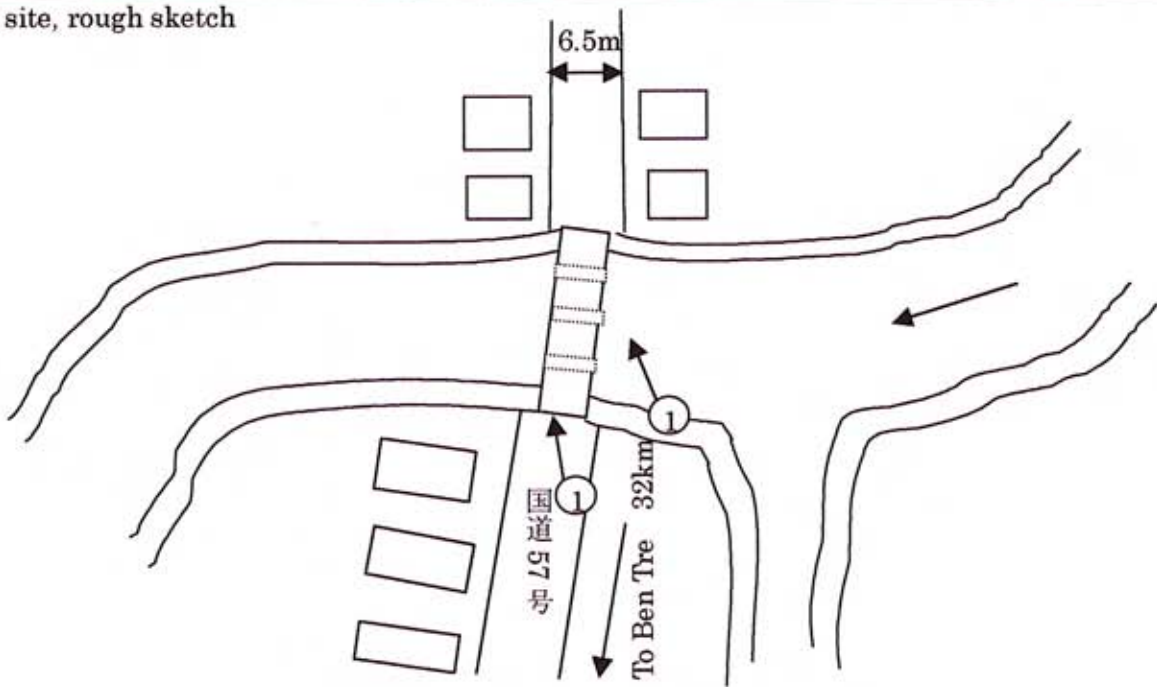
Picture 2 : ②



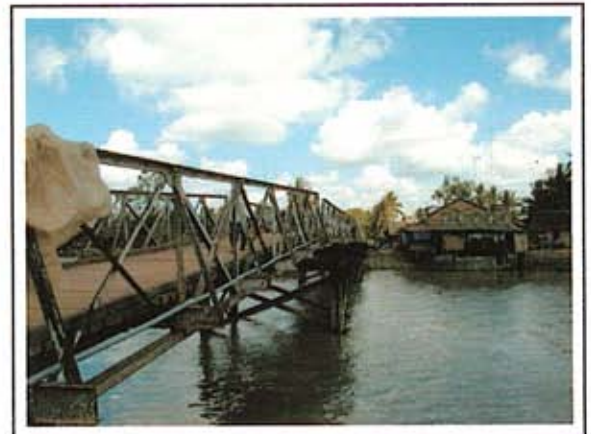
Other Information:

- 1) Piers added in 1999
- 2) Vertical clearance 3.5m required.
- 3) Towns on both banks are subject to flooding.
- 4) Bridge carries fresh water supply pipe
- 5) Optical fiber cables planned to be added in near future
- 6) Steel elements widely and seriously corroded.

The site, rough sketch



Picture 1 : ①

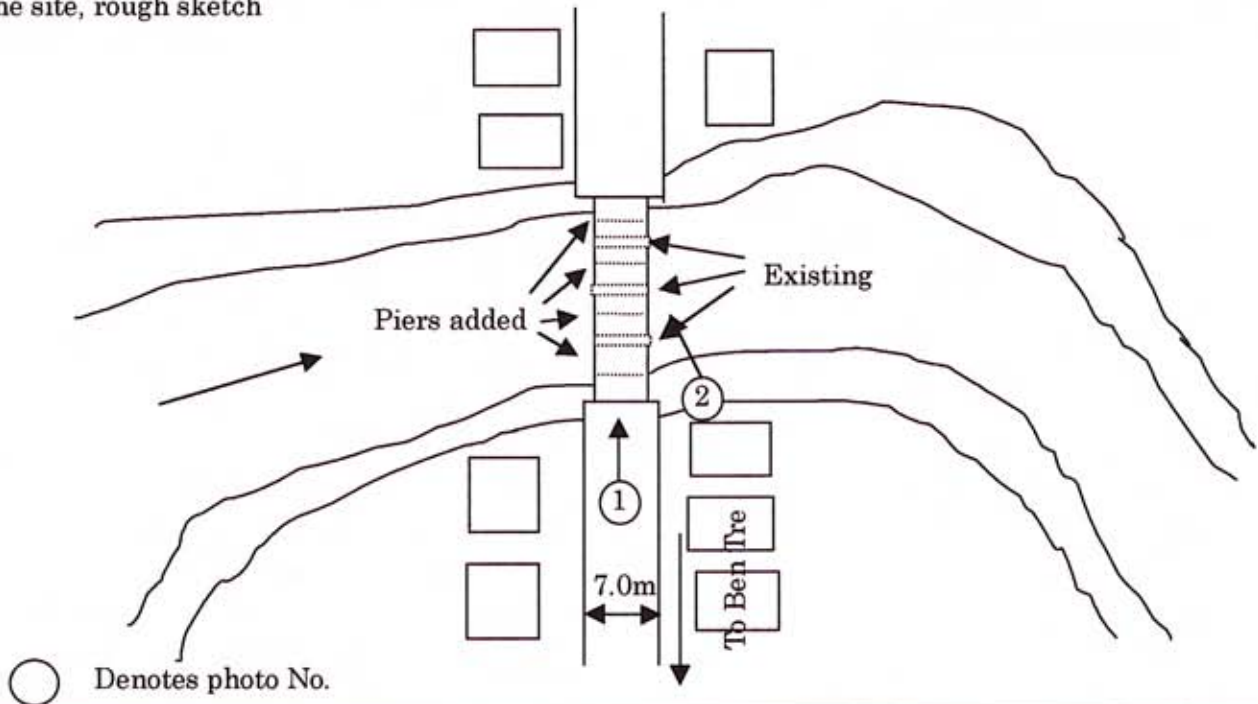


Picture 2 : ②

Other Information:

- 1) As reinforcement piers have been constructed between the original piers using steel H beams
- 2) Approach roads on both banks are being improved.
- 3) Vertical clearance of 3m is required according to Dept. of Transport
- 4) The existing bridge may be relocated and used as a temporary bridge.

The site, rough sketch



Picture 1 : ①



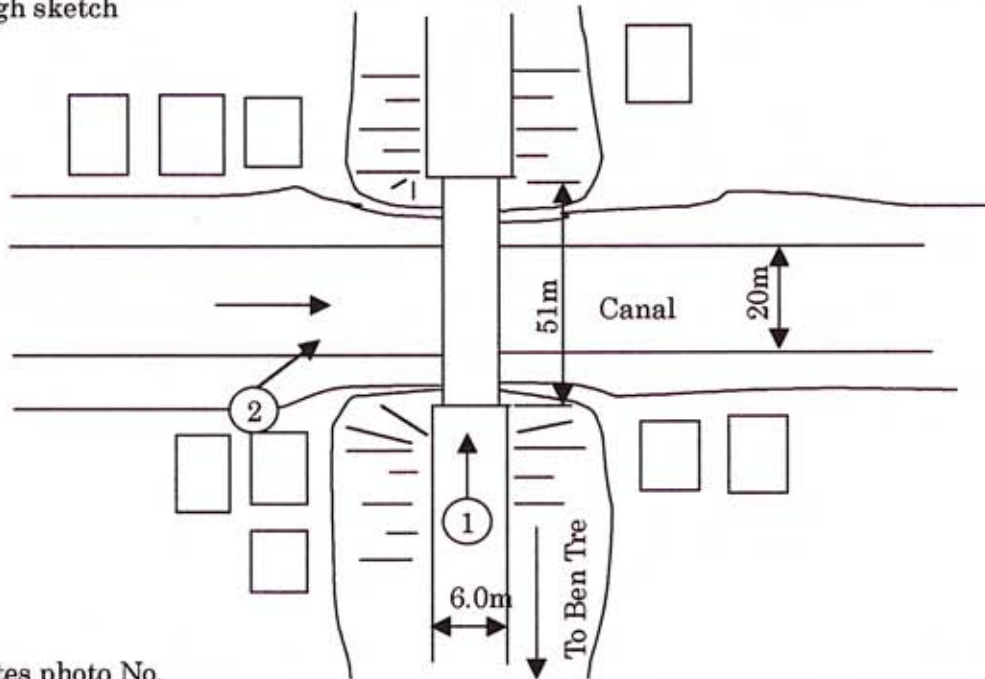
Picture 2 : ②



Other Information:

- 1) Steel elements widely and seriously corroded.
- 2) Approach road improved in 1986
- 3) No risk of flood damage as dams have been constructed upstream and downstream.
- 4) Consequently vertical clearance may be reduced by 2.5m below existing allowance
- 5) Necessary to construct a temporary jetty, and to demolish the existing bridge.
- 6) The next bridge Ranh Tong has a weight limit of 4t therefore imposition of an 8t limit on this bridge would not be worthwhile.

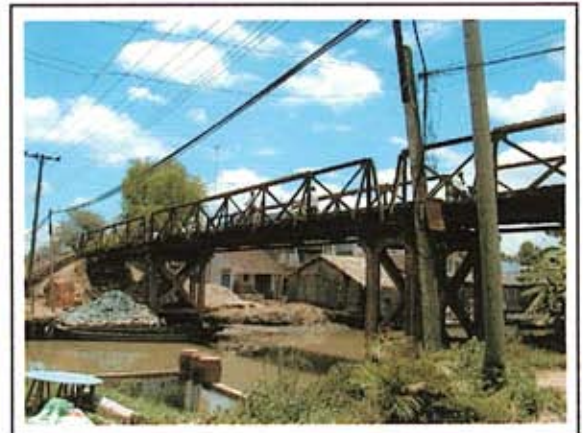
The site, rough sketch



○ Denotes photo No.

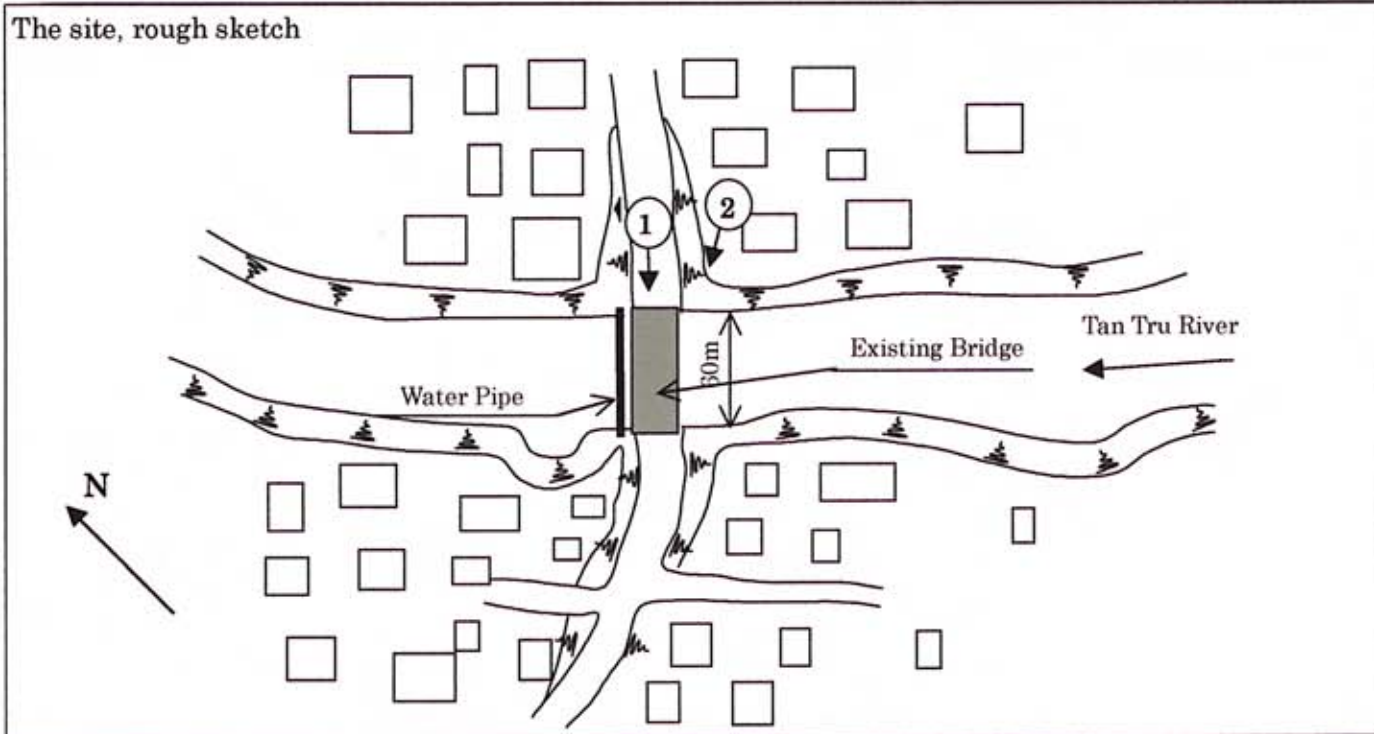


Picture 1 : ①

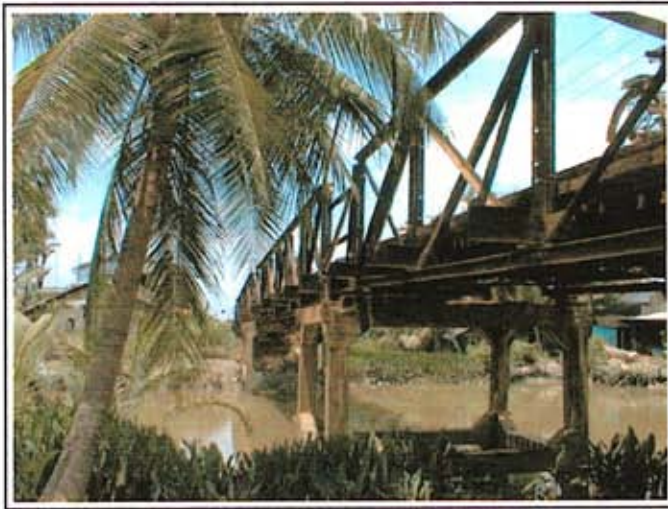


Picture 2 : ②

Other Information:
1) Necessary to cross the Vam Co River by ferry in order to reach the site
2) Many houses present around the bridge



Picture 1 : Existing bridge



Picture 2 : Existing bridge

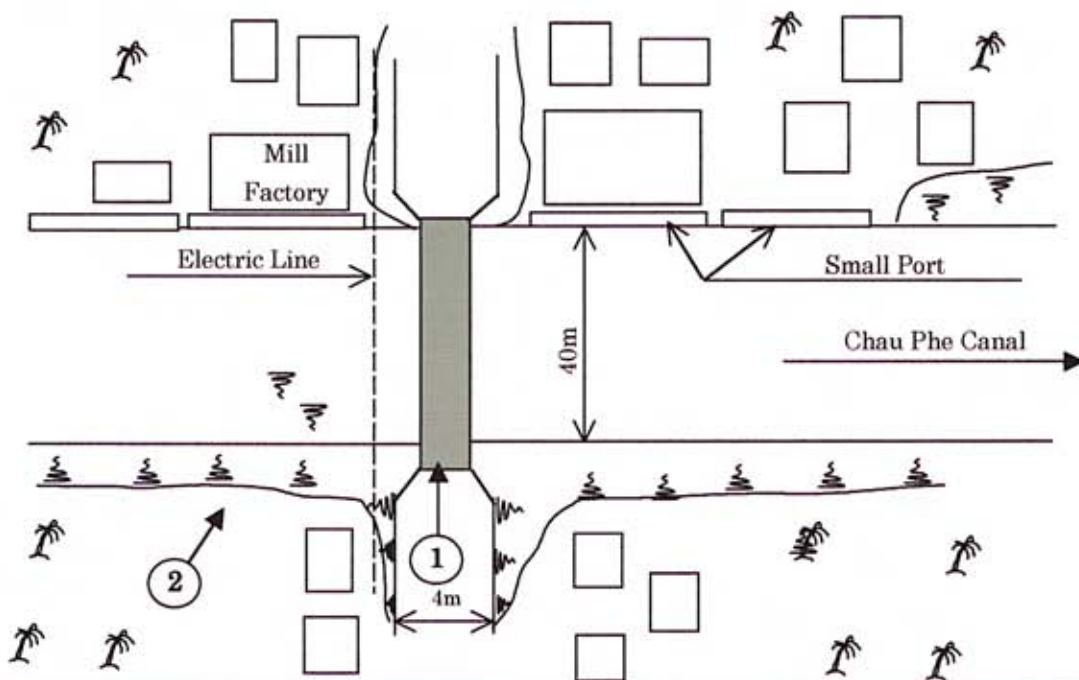




Other Information:

- 1) Temporary supports added for strengthening
- 2) Many houses around site, but are not a problem for construction of a new bridge.

The site, rough sketch



Picture 1 : Existing bridge

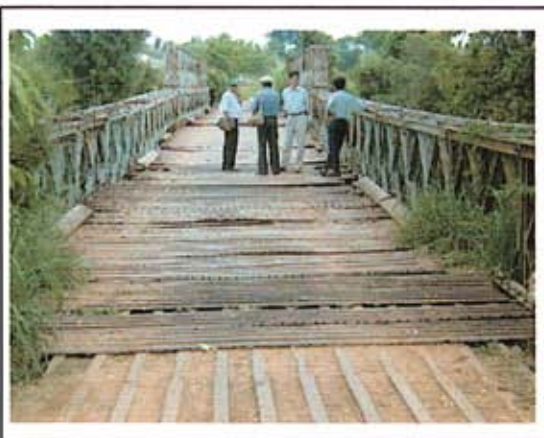
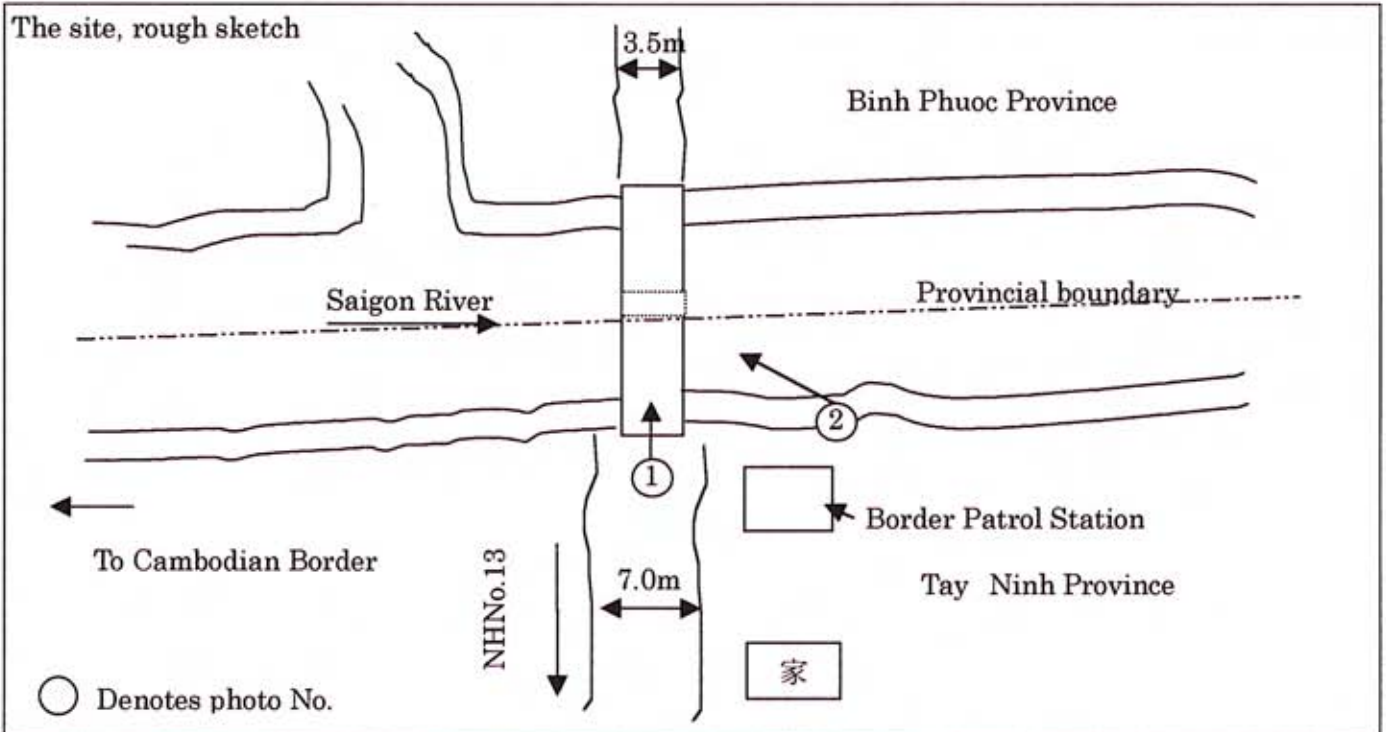


Picture 2 : Existing bridge



Other Information:

- 1) Existing Bailey-type truss bridge much deteriorated
- 2) Closed to cars/trucks due to dangerous condition. Access only for motorcycles/pedestrians
- 3) Difficulty transporting agricultural produce such as sugar cane to Binh Phuoc as no suitable route.
- 4) Deemed to be an important route in Tay Ninh Province
- 5) FS completed
- 6) Traffic controlled by army
- 7) No ferry service, only small fishing boat available
- 8) Connecting Tay Ninh and Binh Phuoc Provinces. Need to confirm responsibility for management and control.



Picture 1 : ①

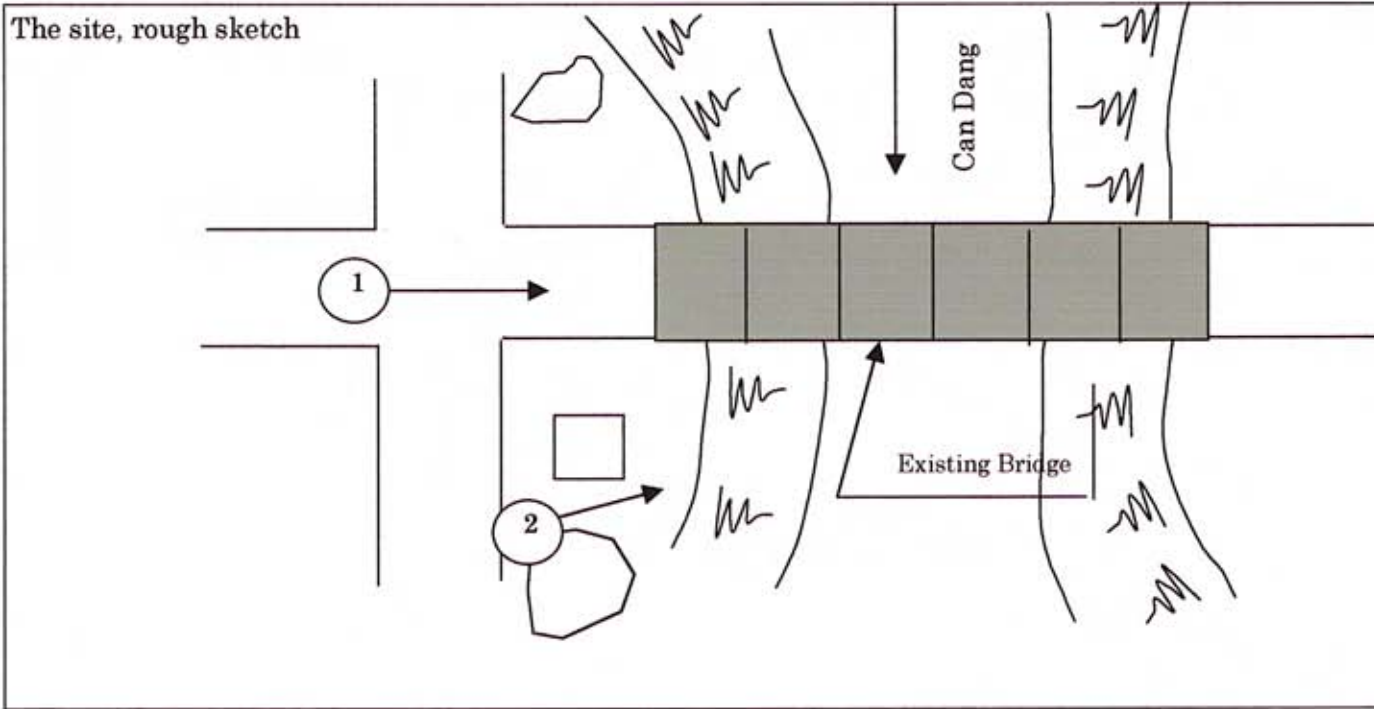


Picture 2 : ②

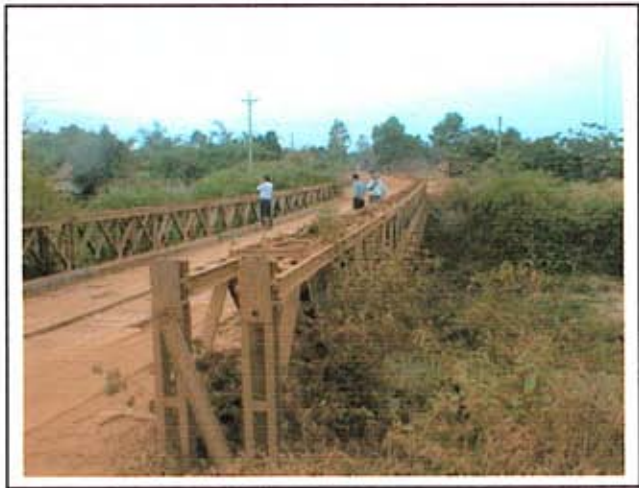




<b>Other Information:</b>
1) Minority tribes living nearby
2) Frequently trafficked by fully laden sugar cane trucks. Vibration and sway observed as the truck passes. Estimated loading 37t.
3) Flood water covered bridge deck in 1999.



Picture 1 : Existing bridge

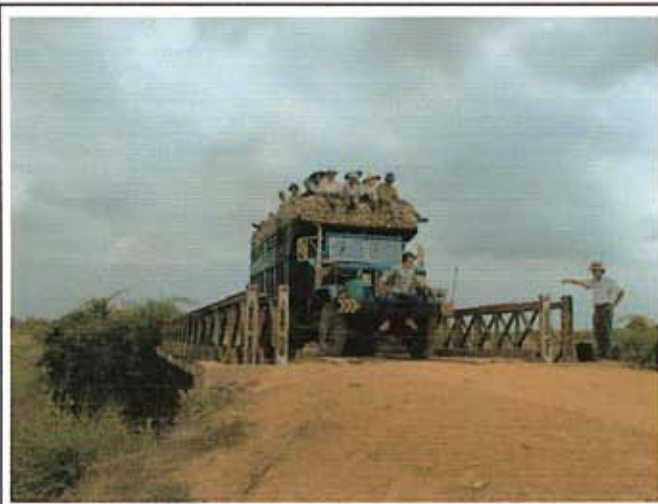
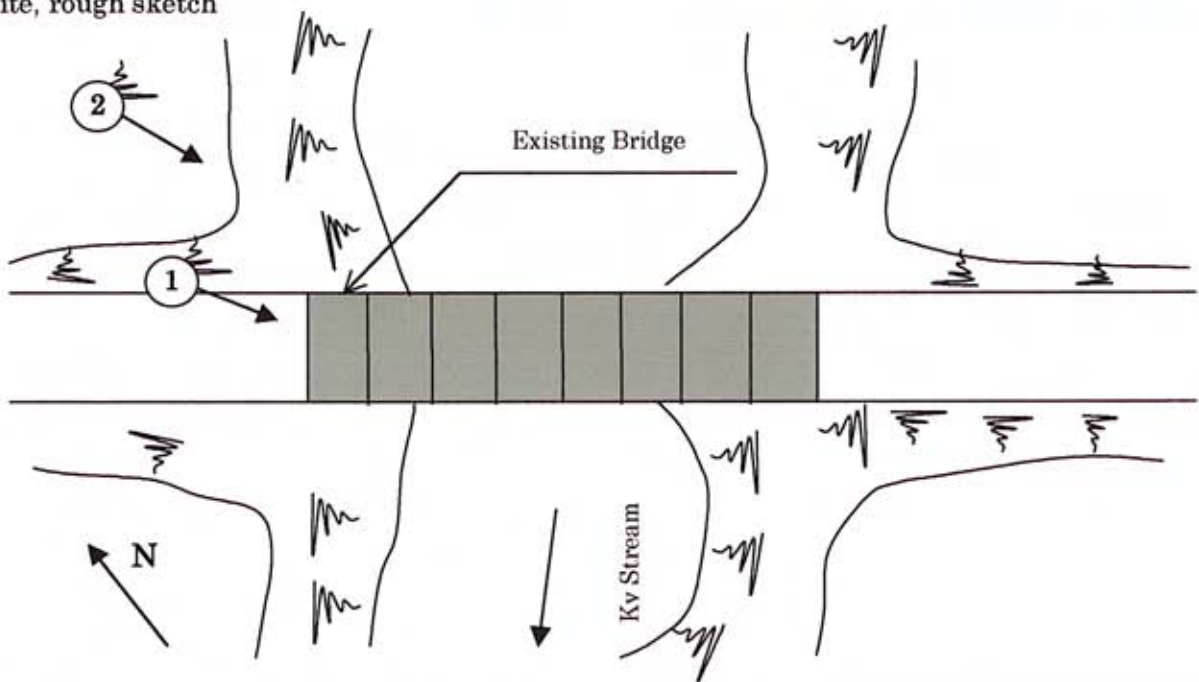


Picture 2 : Existing bridge

Other Information:

- 1) Minority tribes living nearby.
- 2) Collapsed in 1994, later recovered
- 3) Sign indicates load limit of 10t, but actually used by heavier vehicles
- 4) Difficult access due to serious rutting of approach road.
- 5) Approach road being improved and asphalt-paved by WB finance, to be completed in 2000.

The site, rough sketch



Picture 1 : Existing bridge



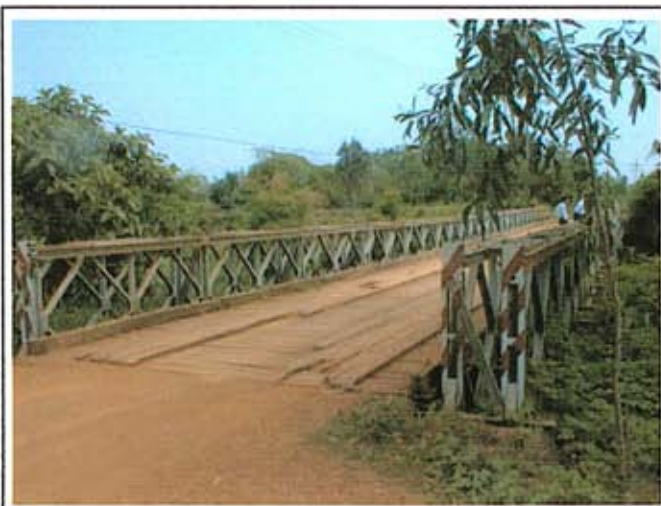
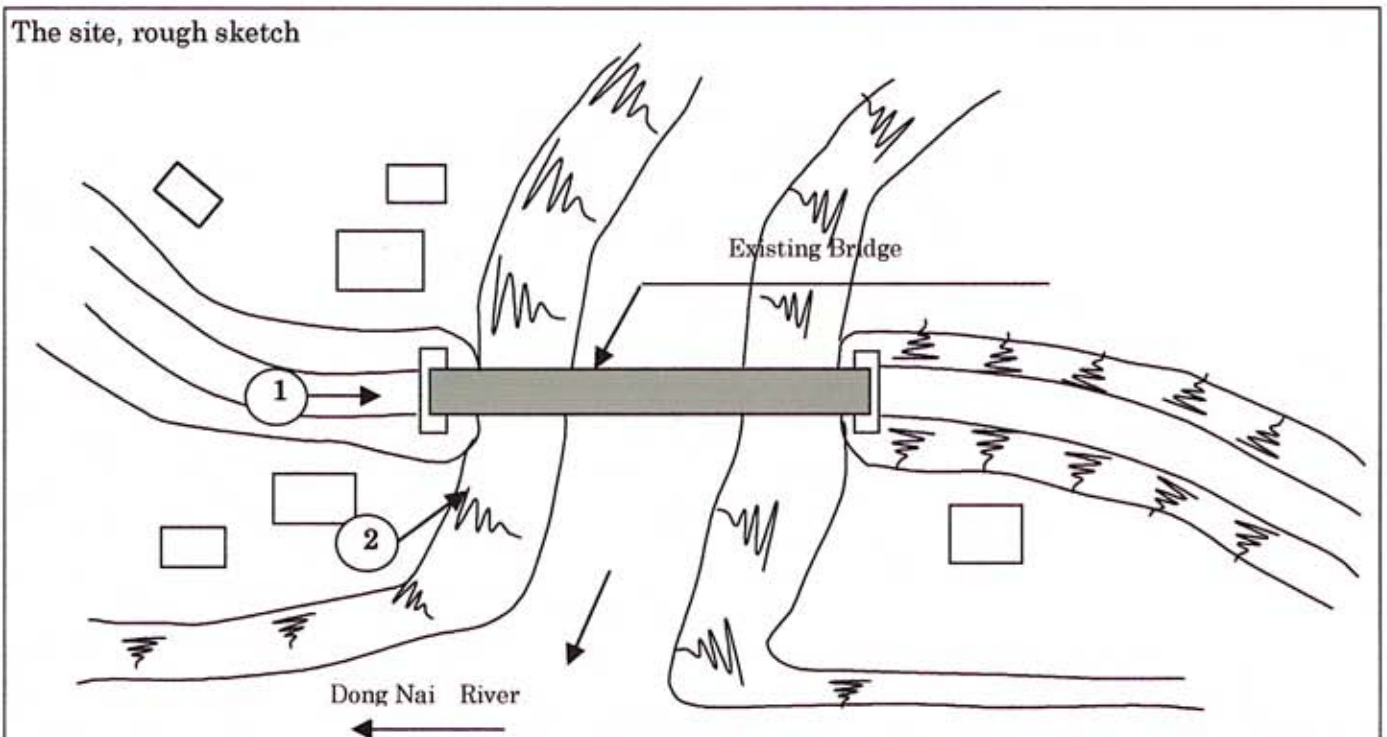
Picture 2 : Existing bridge



Other Information:

- 1) As the three other bridges, this is also on Provincial Road No. 746. Difficult to prioritize any of the four bridges as conditions are the same on all of them, i.e. bridge type, degree of deterioration, although bridge lengths do vary.
- 2) The closest bridges to NH No. 13 are Chua, Rach Ro, Rach Goc and Vung Gam in that order
- 3) Attention to be paid to water level of Dong Nai River in deciding proposed height.

The site, rough sketch



Picture 1 : Existing bridge

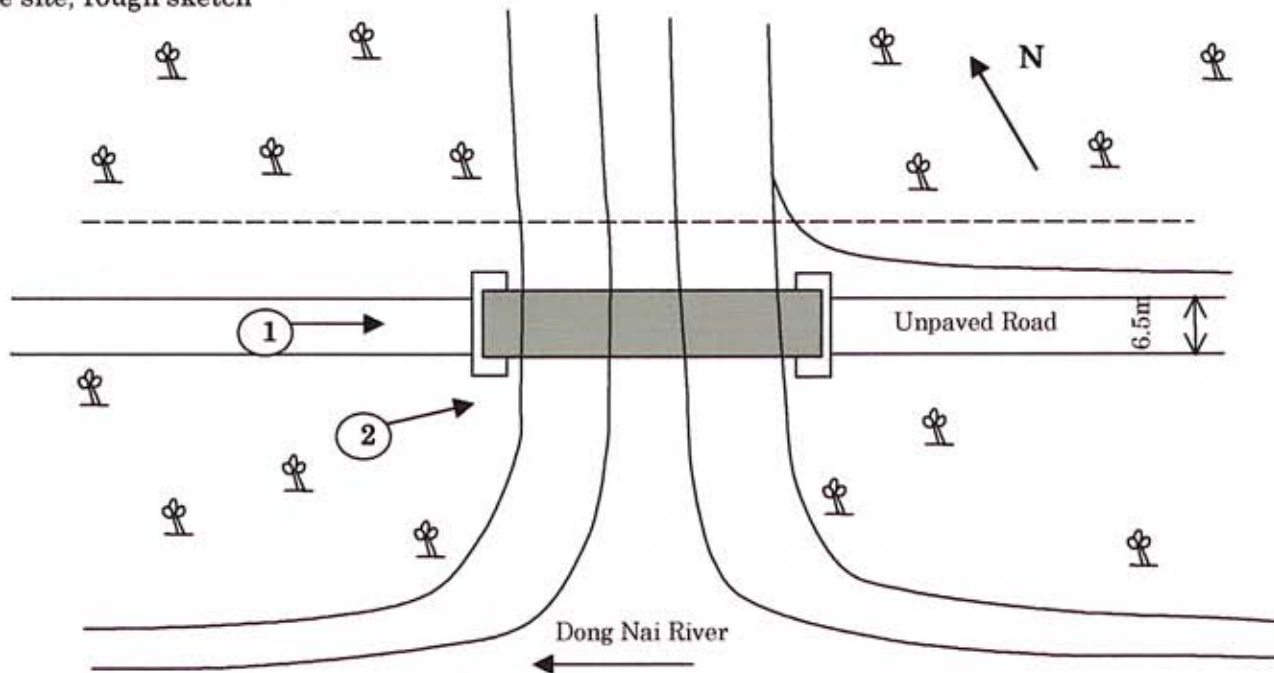


Picture 2: Existing bridge

Other Information:

- 1) As the three other bridges, this is also on Provincial Road No. 746. Difficult to prioritize any of the four bridges as conditions are the same on all of them, i.e. bridge type, degree of deterioration, although bridge lengths do vary.
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- 3) Attention to be paid to water level of Dong Nai River in deciding proposed height.

The site, rough sketch



Picture 1 : Existing bridge



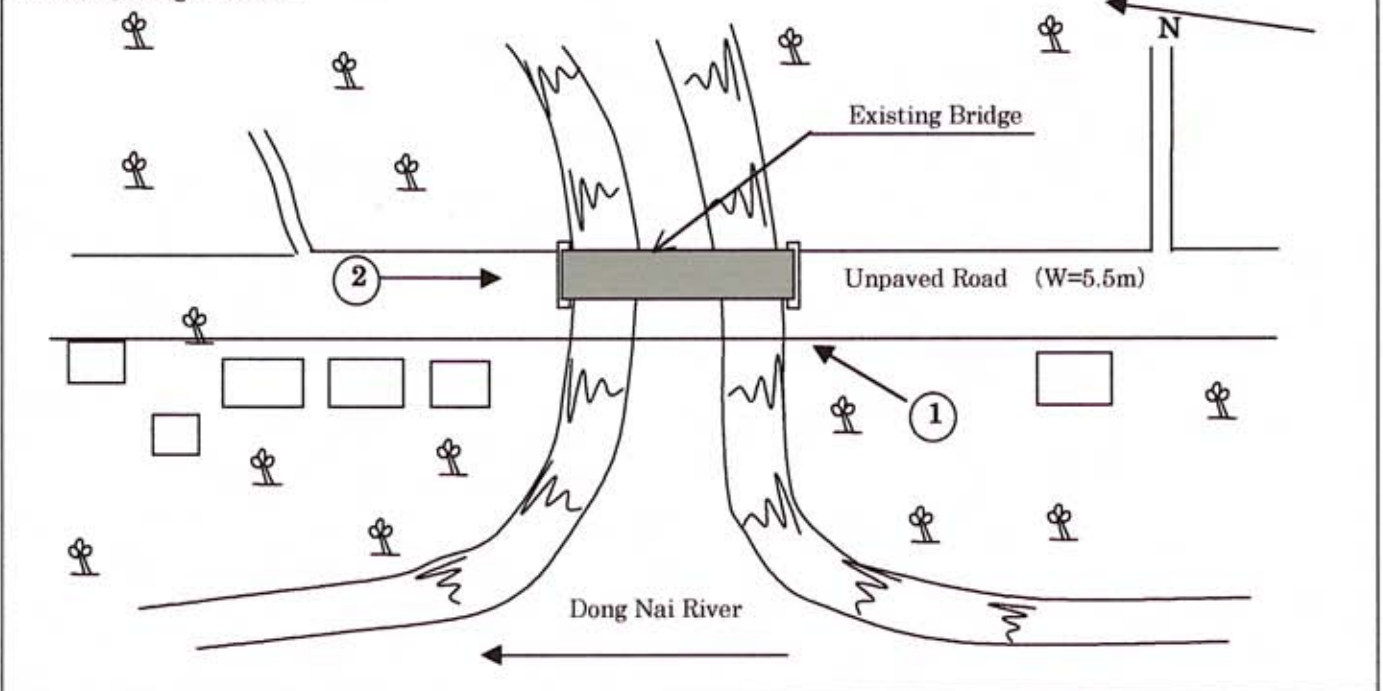
Picture 2 : Existing bridge



Other Information:

- 1) As the three other bridges, this is also on Provincial Road No. 746. Difficult to prioritize any of the four bridges as conditions are the same on all of them, i.e. bridge type, degree of deterioration, although bridge lengths do vary.
- 2) The closest bridges to NH No. 13 are Chua, Rach Ro, Rach Goc and Vung Gam in that order
- 3) Attention to be paid to water level of Dong Nai River in deciding proposed height.

The site, rough sketch



Picture 1 : Existing bridge

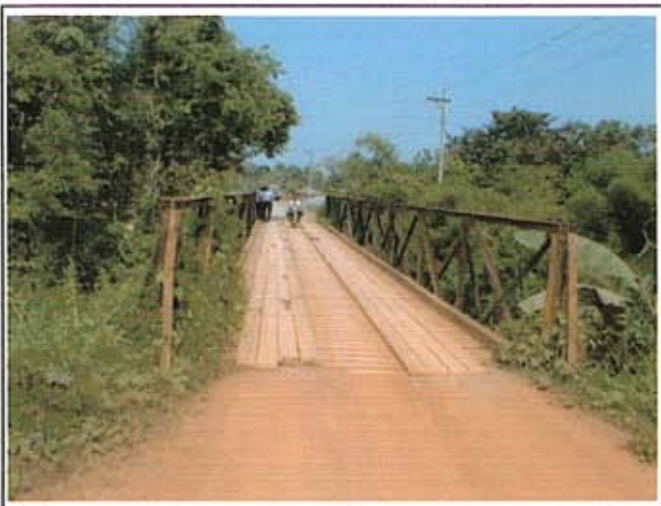
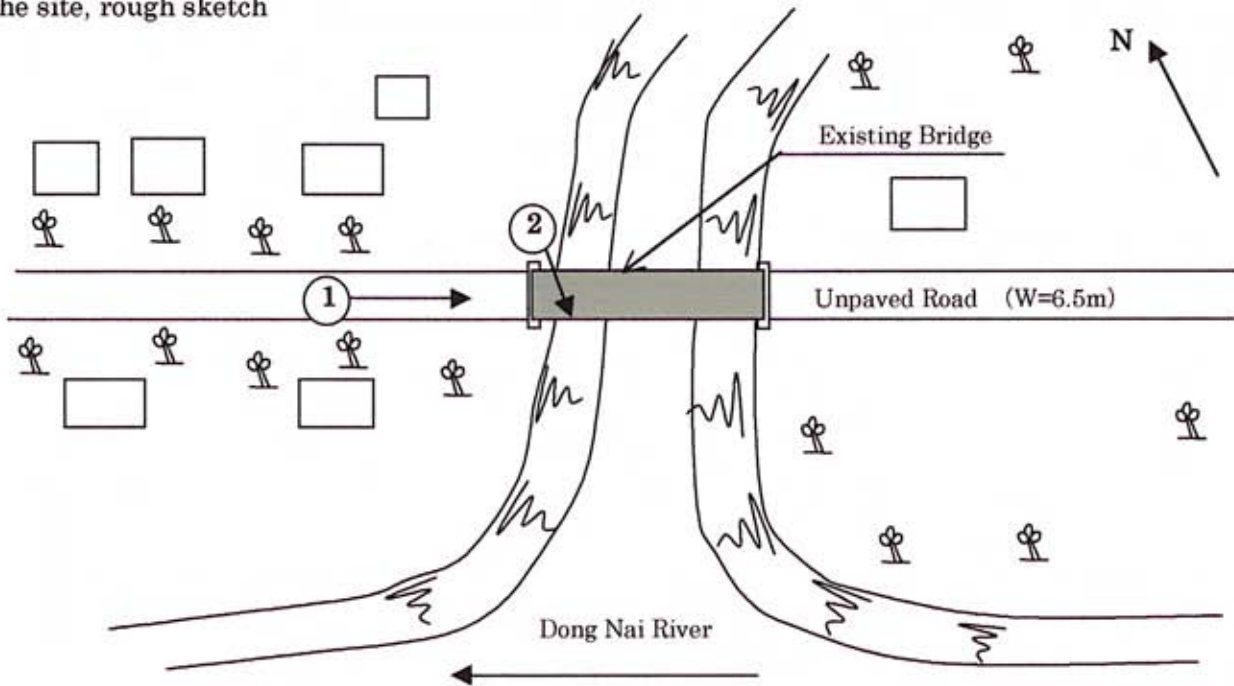


Picture 2 : Existing bridge

Other Information:

- 1) As the three other bridges, this is also on Provincial Road No. 746. Difficult to prioritize any of the four bridges as conditions are the same on all of them, i.e. bridge type, degree of deterioration, although bridge lengths do vary.
- 2) The closest bridges to NH No. 13 are Chua, Rach Ro, Rach Goc and Vung Gam in that order
- 3) Attention to be paid to water level of Dong Nai River in deciding proposed height.
- 4) Local people want a PC bridge that can be constructed using aggregate extracted from the nearby quarry

The site, rough sketch



Picture 1 : Existing bridge



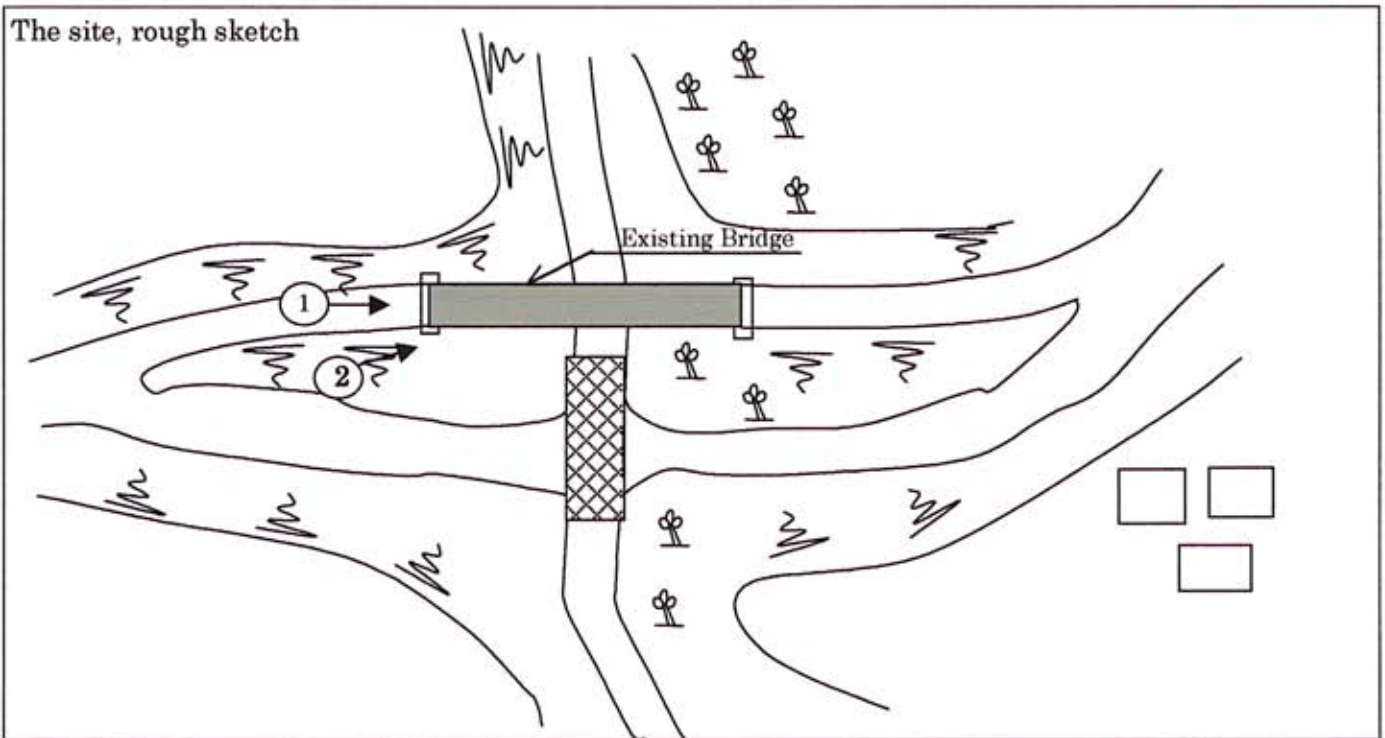
Picture 2 : Existing bridge



Other Information:

- 1) Inadequate capacity prevents passage of trucks. Possible to cross in the riverbed, but difficult in the rainy season.
- 2) Proposed elevation dependant on high water level
- 3) Girder supply type bridge not a problem for the local Dept. of Transport

The site, rough sketch



Picture 1 : Existing bridge



Picture 2: Existing bridge







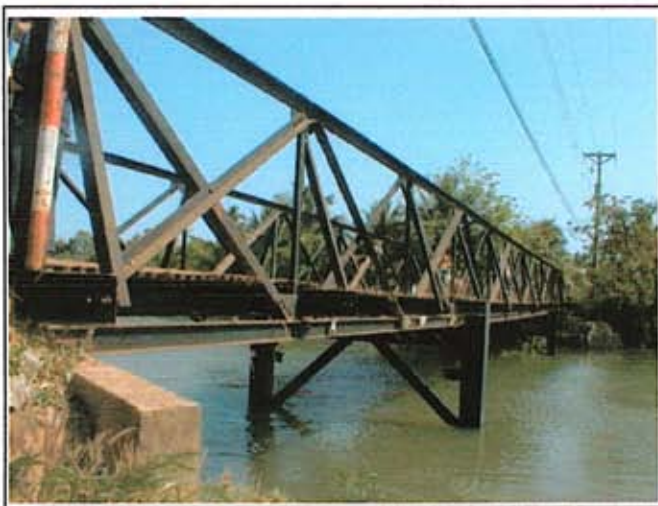
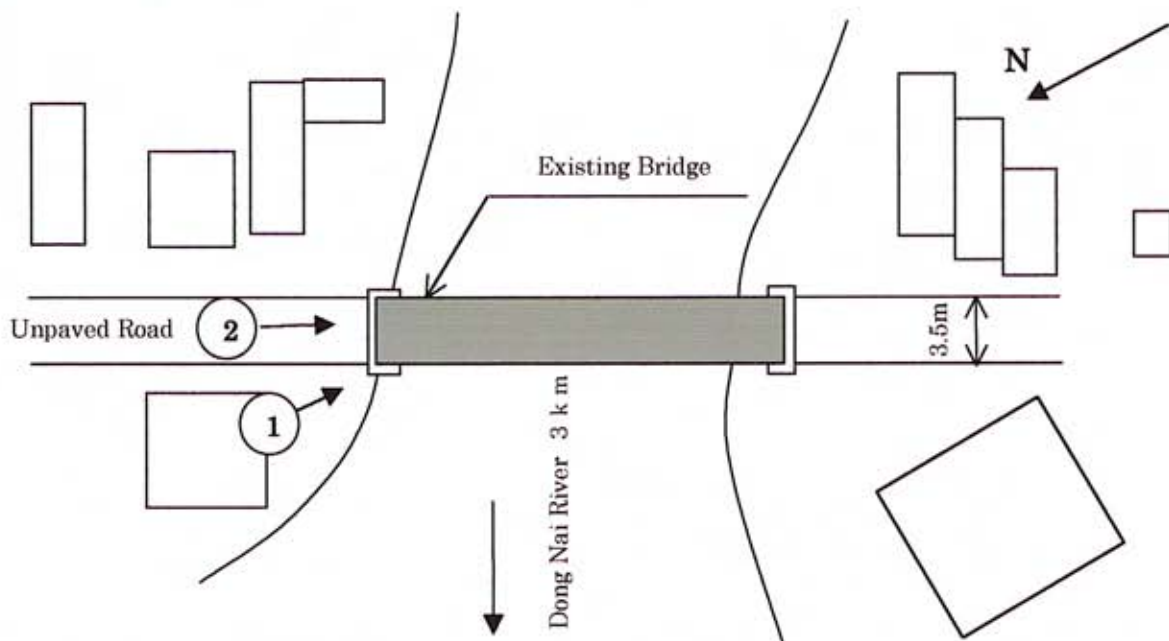




Other Information:

- 1)
- 2)
- 3)

The site, rough sketch



Picture 1 : Existing bridge

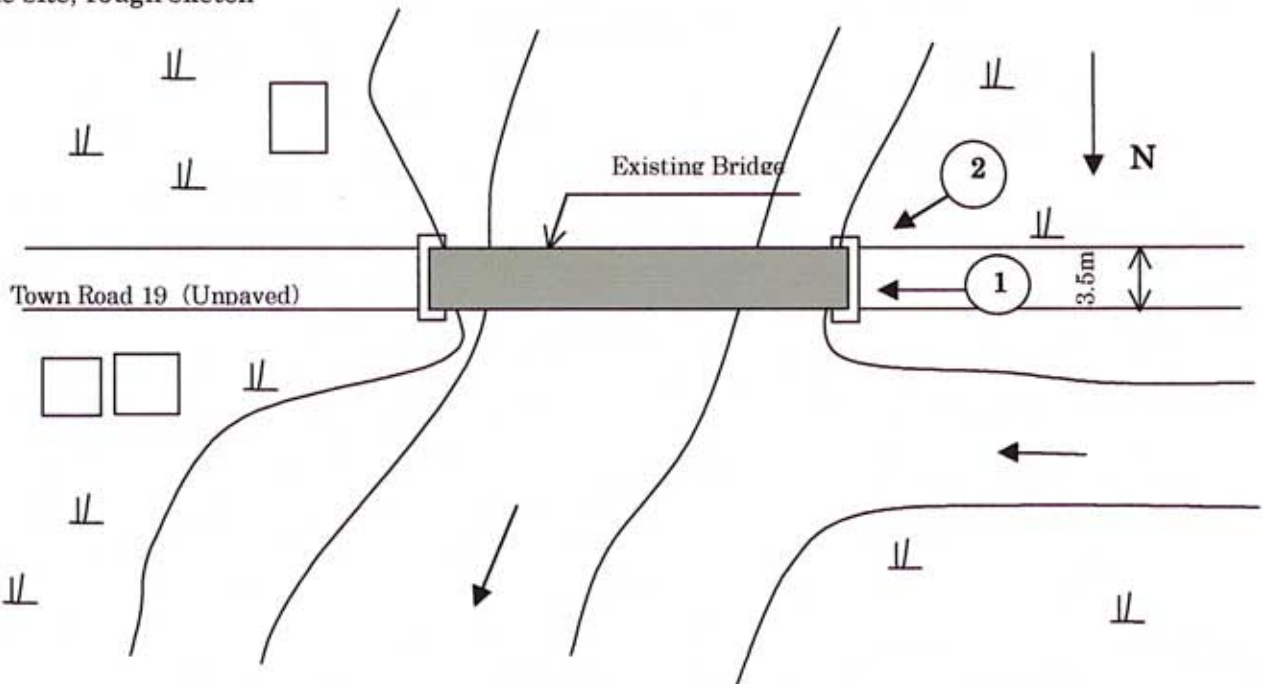


Picture 2 : Existing bridge

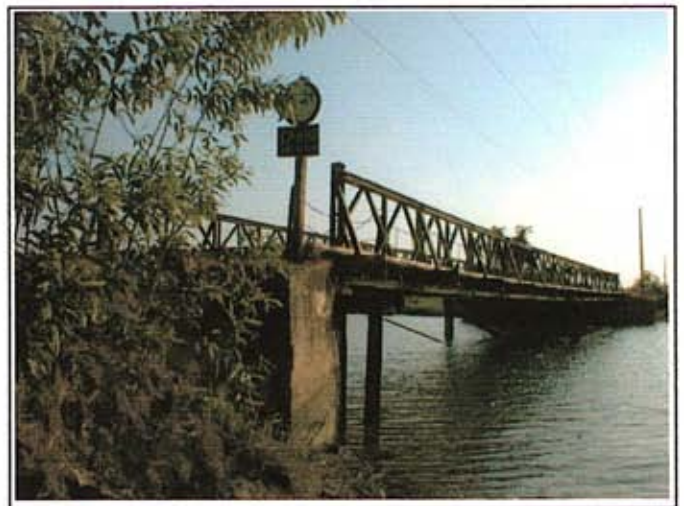
Other Information:

- 1) Present bridge seriously understrength
- 2) No problem envisaged for bridge construction

The site, rough sketch



Picture 1 : Present bridge



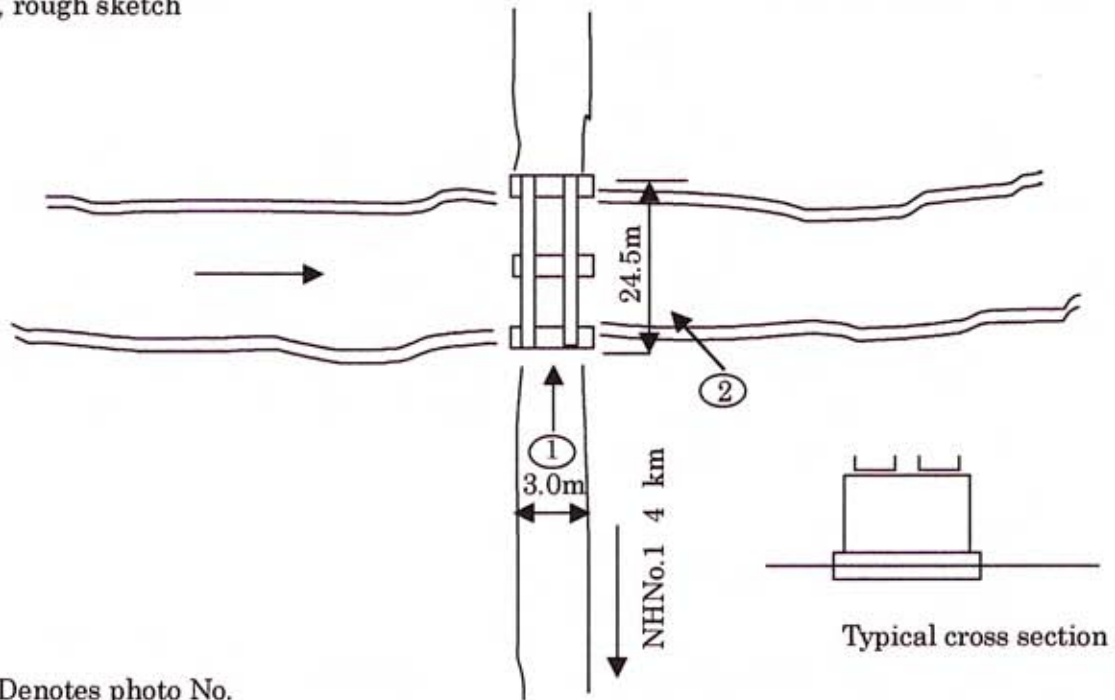
Picture 2 : Present bridge



Other Information:

- 1) Need to construct temporary jetty and to demolish existing bridge

The site, rough sketch



Picture 1 : Existing bridge

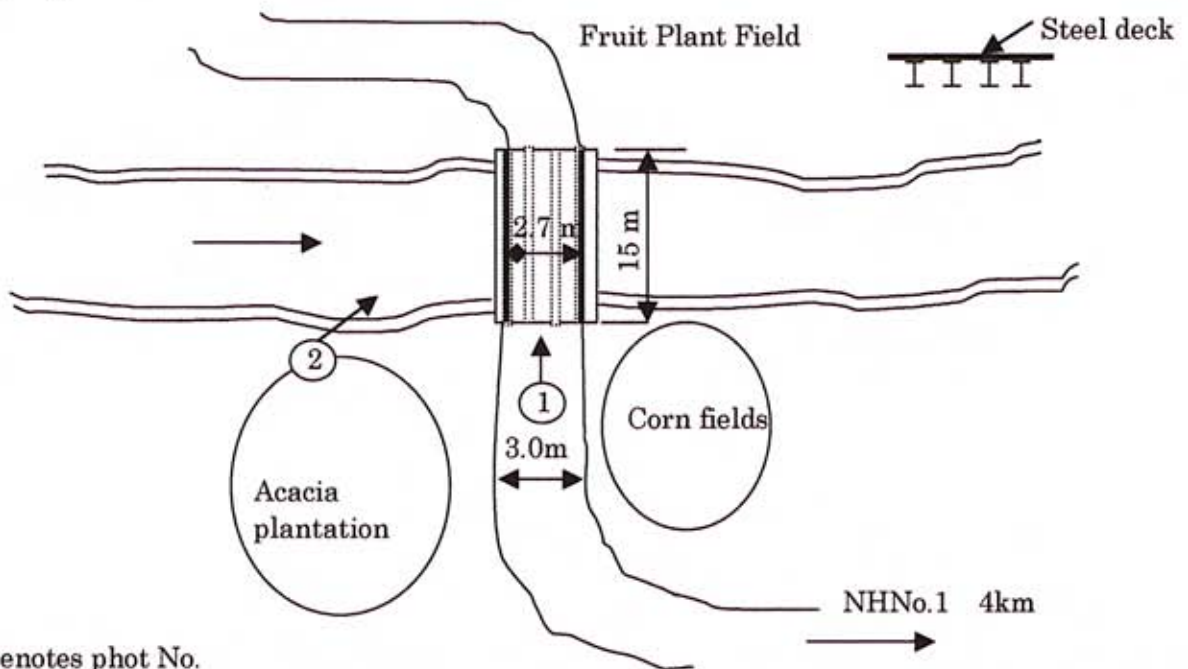


Picture 2 : Side view

Other Information:

- 1) Road improvement planned to widen bridge to 6m width by the Government and the village with a target date of June 2000
- 2) Agricultural produce is loaded from larger vehicles to 2 ton trucks before the bridge.
- 3) No need to construct a temporary bridge. Center line for new bridge to be offset upstream.

The site, rough sketch



Picture 1 : ①

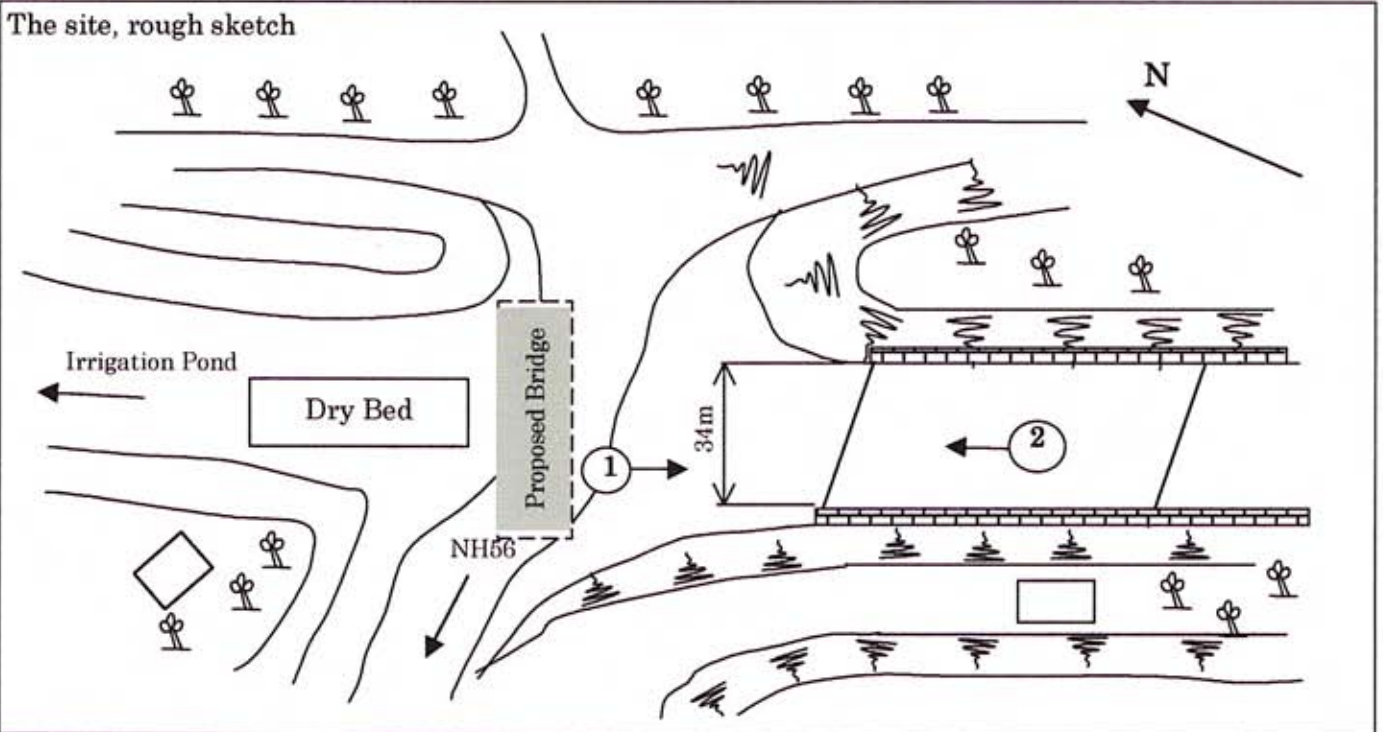


Picture 2 : ②

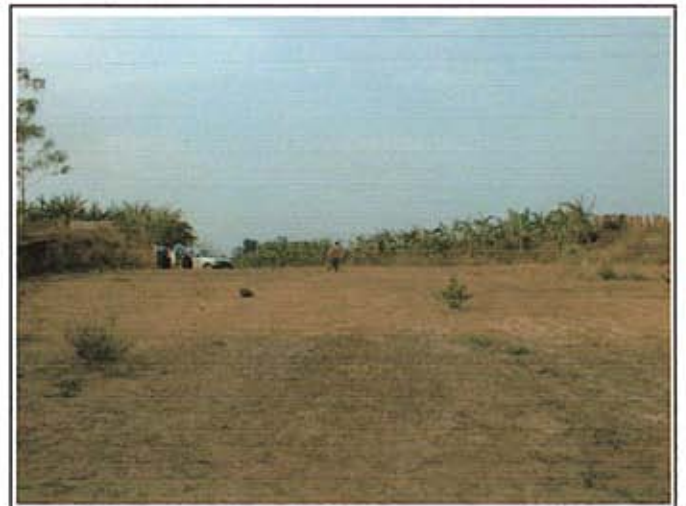


Other Information:

1) To be constructed over spillway from irrigation dam. The spillway is protected against erosion. No water in dry season, hence easy construction conditions.

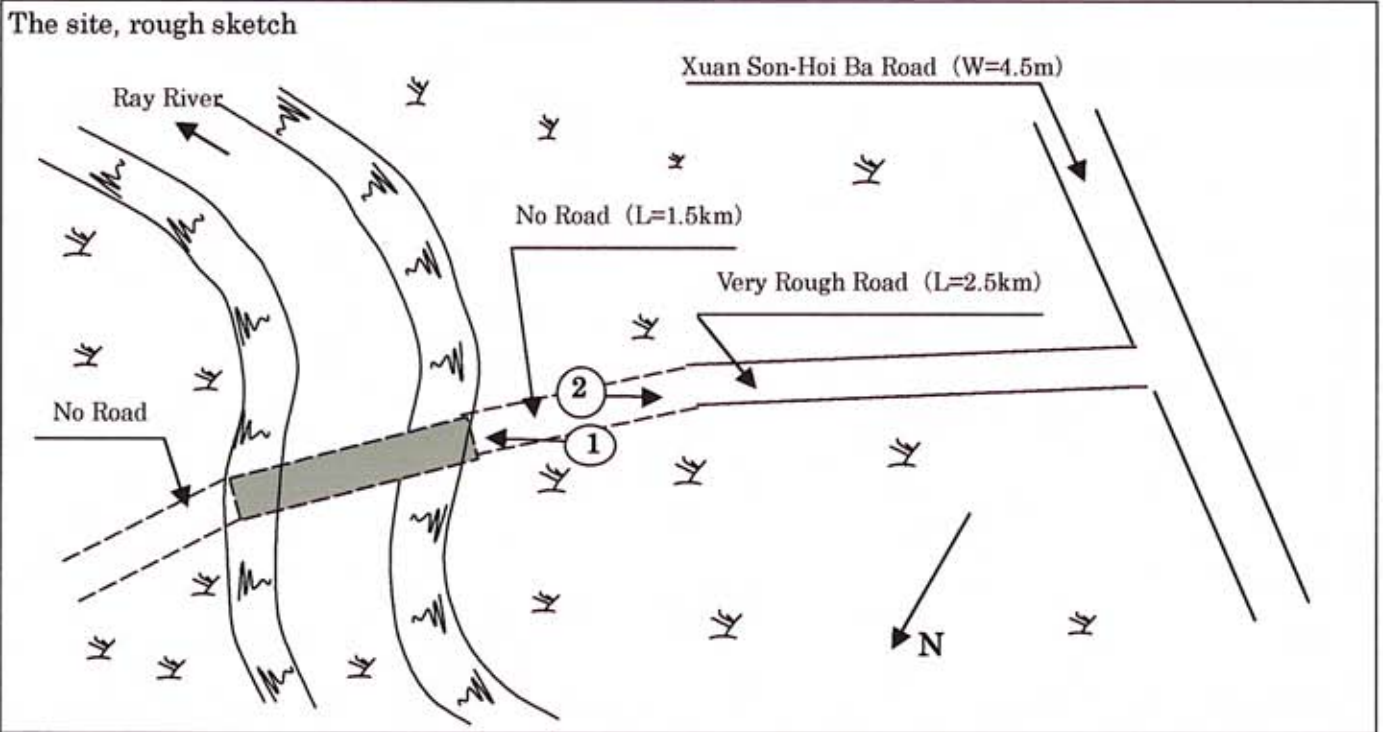


Picture 1 : Proposed location



Picture 2 : Proposed location

Other Information:
1) Access road not yet constructed. Only access is a 5km walk from Xuan Son-Hoi Ba road, which is a narrow road in poor condition.
2) It is still too early to construct this bridge, and it is not recommended
3)



Picture 1 : Proposed location



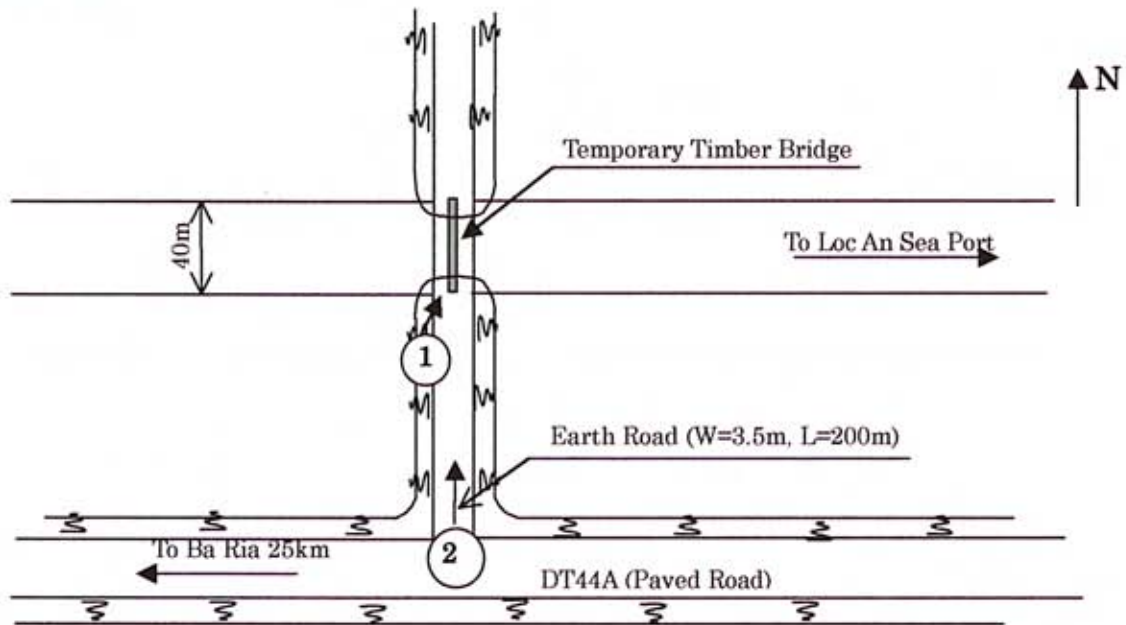
Picture 2 : Proposed approach



Other Information:

- 1) Temporary timber bridge has access for pedestrians and motorcycles only.
- 2) Possibility of developing agricultural land of 200ha at the side of Provincial Road No. 44A
- 3) On completion, connected to NH No. 55, Provincial Road No. 44A, town road Loc An-Phuoc Long Tho and again to NH No. 55.

The site, rough sketch



Picture 1 : Temporary bridge

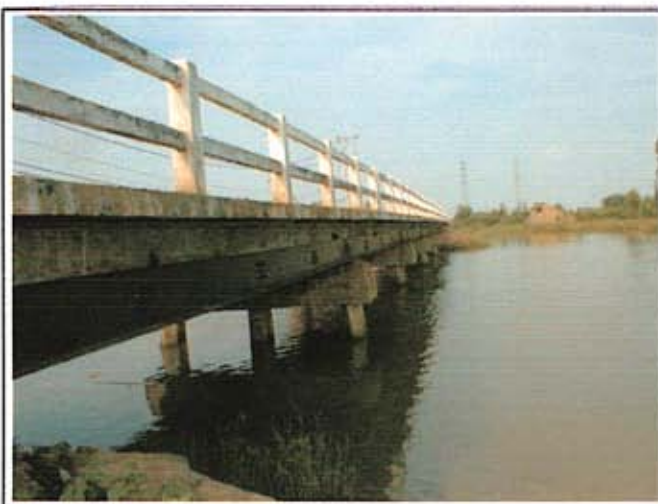
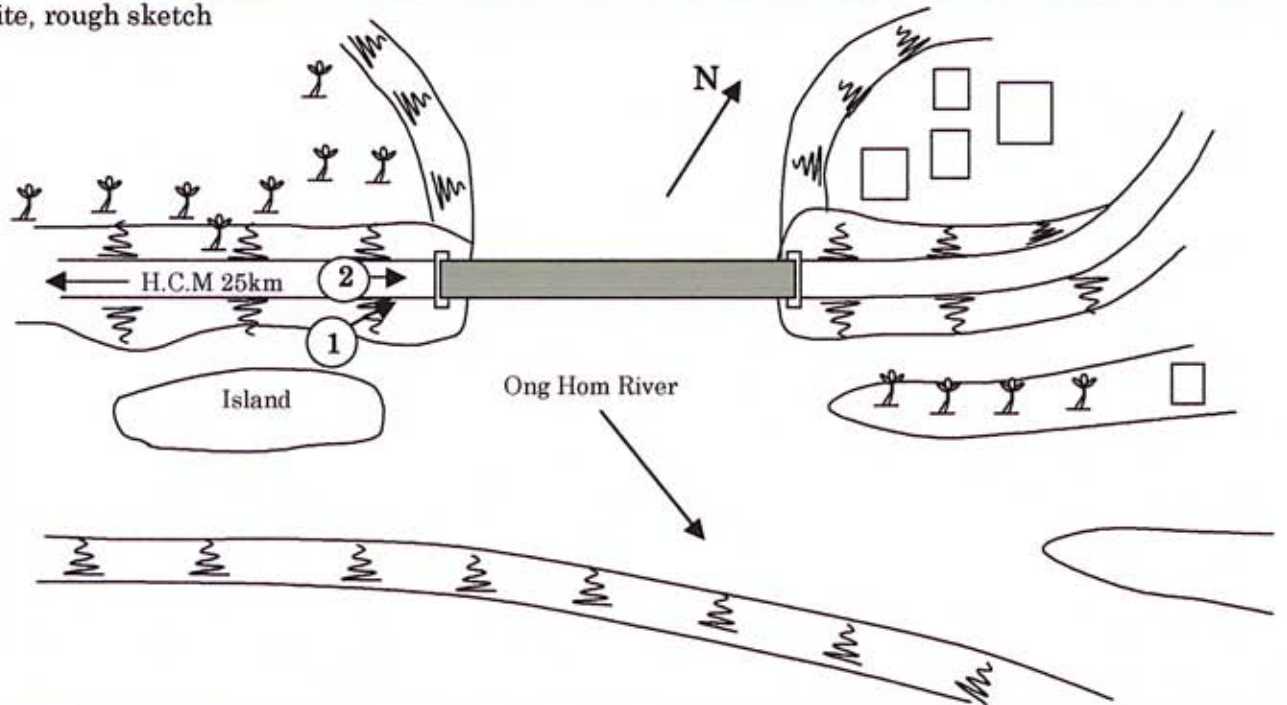


Picture 2 : Temporary bridge

Other Information:

- 1) Access road is narrow and restricted by narrow bridges
- 2) The bridge condition has not deteriorated substantially. It was originally designed as a low capacity bridge.

The site, rough sketch



Picture 1 : Existing bridge



Picture 2 : Existing bridge



Other Information:

1) Bridge construction already completed.

The site, rough sketch

Bridge completed



Picture 1 : Completed bridge



Picture 2 : Completed bridge