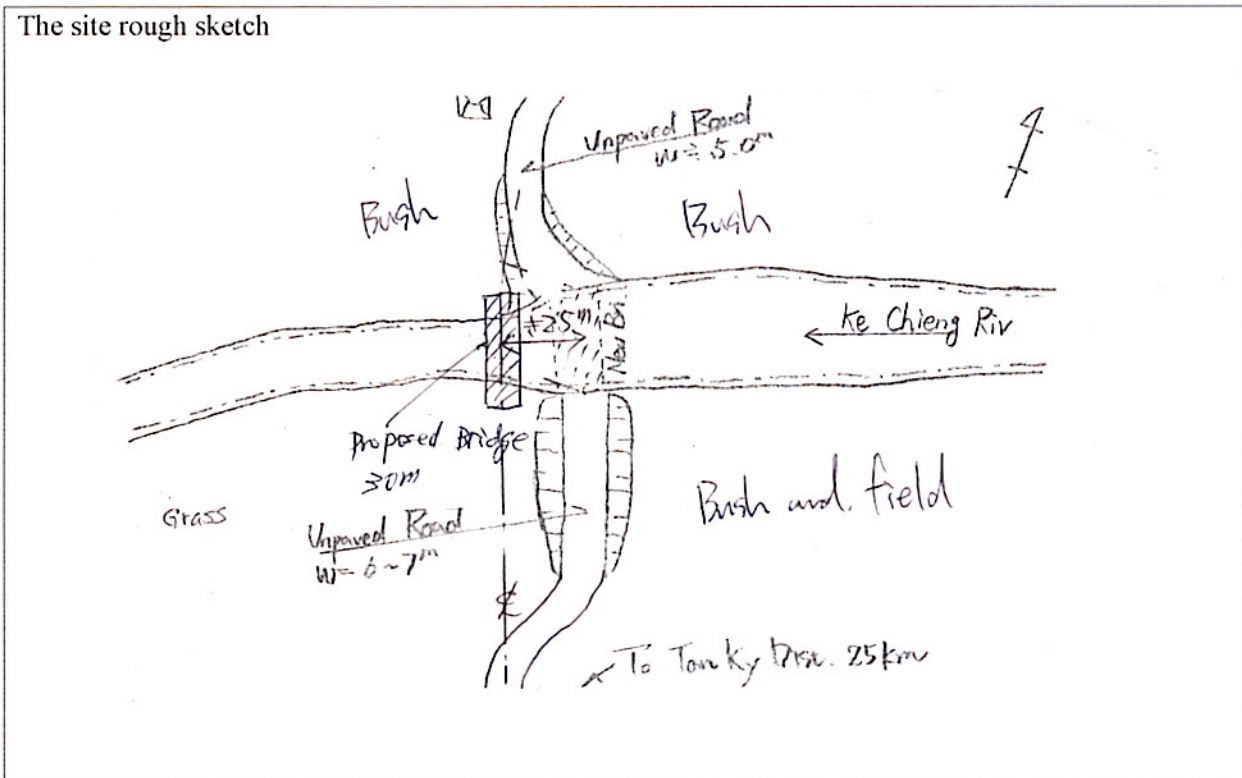


No.7 Ke Chieng Bridge – Component B

(Nghe An Province)

Site Information
1) On downstream side, recently a wooden bridge was built for pedestrian near riverbed crossing.
2) The dry season is possible for passing of vehicle. (from January to April) At the time of a flood, it is the about 0.2m flood over the land on left-bank down-stream .(3times/year) HHWL=3.1m above 3.1, HWL=2.6m above LWL. Freeboard:0.5m.
3) The proposed bridge will cross the river 15m downstream, stretching straight from access road from Tan Ky District on left bank. Bridge will be 30m, and width is 4.5m.
4) No houses will be removed and no utilities relocated.
5) Construction yard will be located on left-downstream side.
6) Access road (3.5 earth) on left bank is as usual. 24km from Tan Ky.

The site rough sketch



Picture 1: On proposed alignment from left bank



Picture 2: From upstream

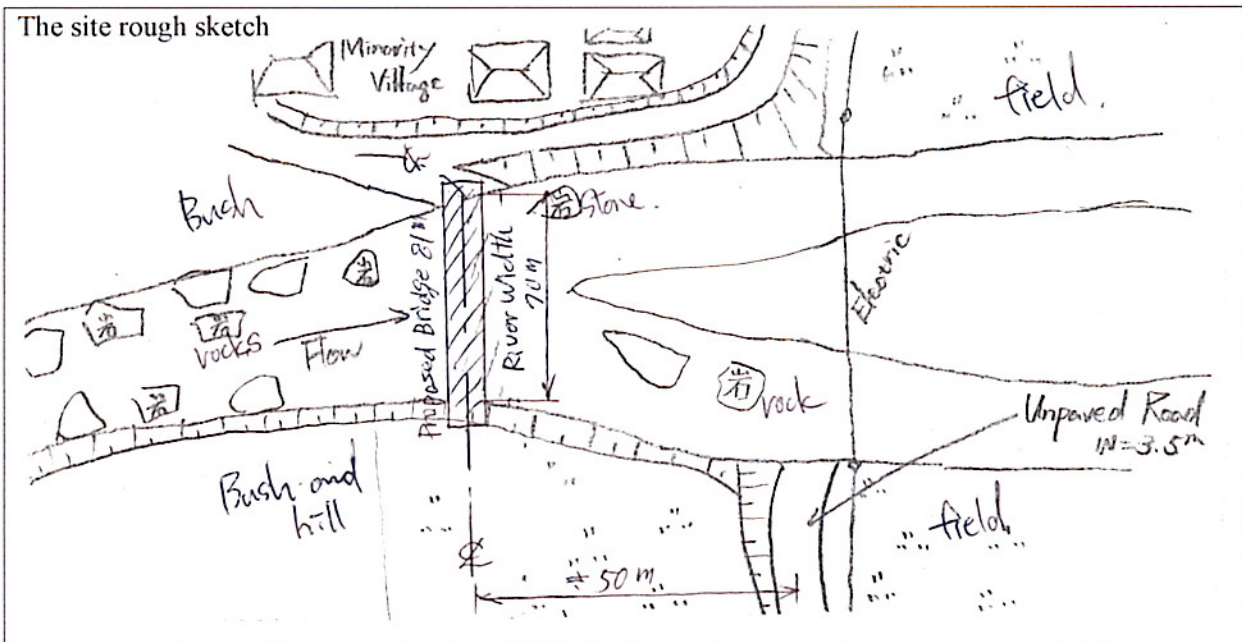
No.9 Ban Khoang Bridge – Component B

(Nghe An Province)

Site Information

- 1) The existing riverbed road is used by pedestrians, motor cycles and bicycles.
- 2) The highest flood level = 4.2 m above riverbed (= flat area on right bank next to the river, and approach road level on left bank). Freeboard:0.5m.
- 3) The proposed bridge alignment will be located about 50m upstream from existing riverbed road. River width is 70m on proposed bridge alignment and proposed bridge length will be 80m. Proposed bridge will contribute to improvement of transport of logs.
- 4) A few houses will be removed near access road on left bank. No utilities will be relocated.
- 5) Construction yard will be located on right bank next to proposed bridge crossing point.
- 6) The access road (1km) on right bank from national highway No. 48 is narrow and road condition is not good.

The site rough sketch



Picture 1: On the proposed alignment to see from right bank to left bank of ethnic people's village



Picture 2: From downstream

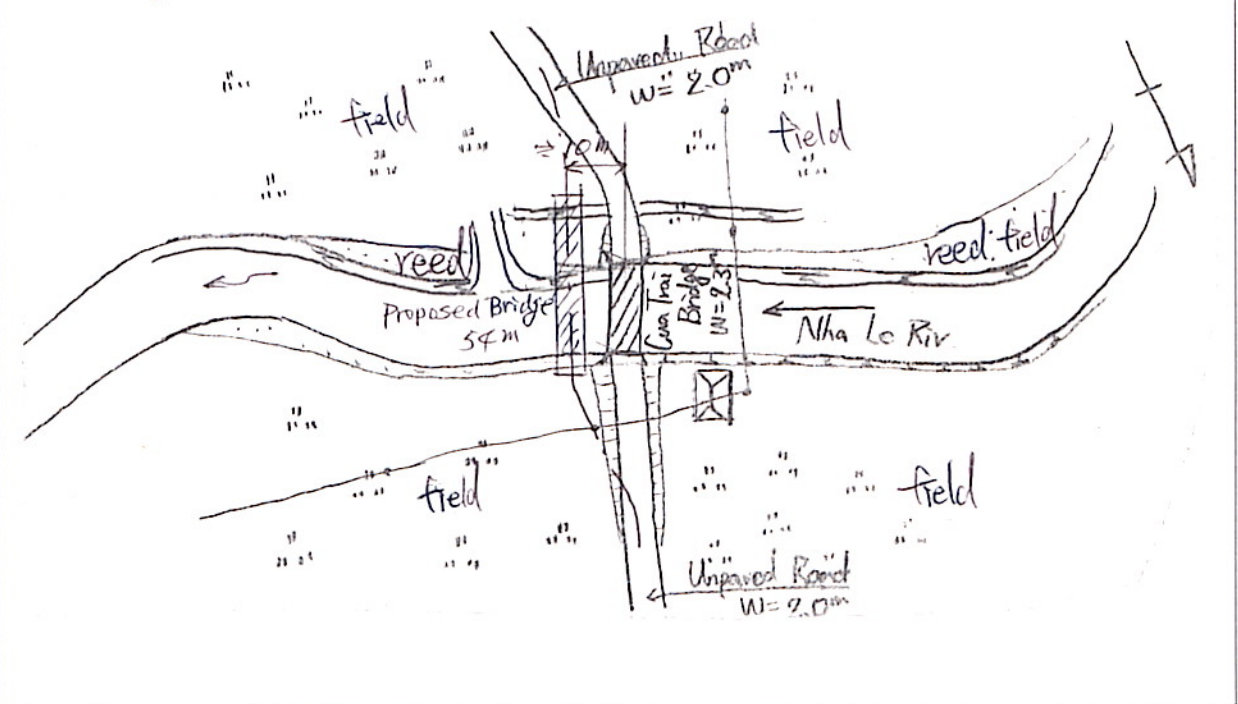
No.12 Cua Trai Bridge – Component B

(Ha Tinh Province)

Site Information

- 1) Existing bridge was constructed in 1985. But the damage of structure is very large.
- 2) HHWL= bridge surface, HWL= bridge surface-2.3m, LWL= bridge surface-4.1m.
Freeboard:0.5m.
- 3) Proposed bridge will be located on downstream side next to existing bridge. Length will be $3 \times 18 = 54\text{m}$ in order to cover not only the bridge but also the flooded paddy field on right bank. Width is 4.5m (Commune Rd).
- 4) No houses to be removed, no utilities to be relocated.
- 5) Construction yard will be located on left bank and downstream.
- 6) Access road on left bank (2km from NH1) is 2.0m earth road. Upgrading of access road from national highway No. 15 right bank side (widening to 6.0m) is planned.

The site rough sketch



Picture 1: The existing bridge from upstream



Picture 2: The existing bridge from left bank