

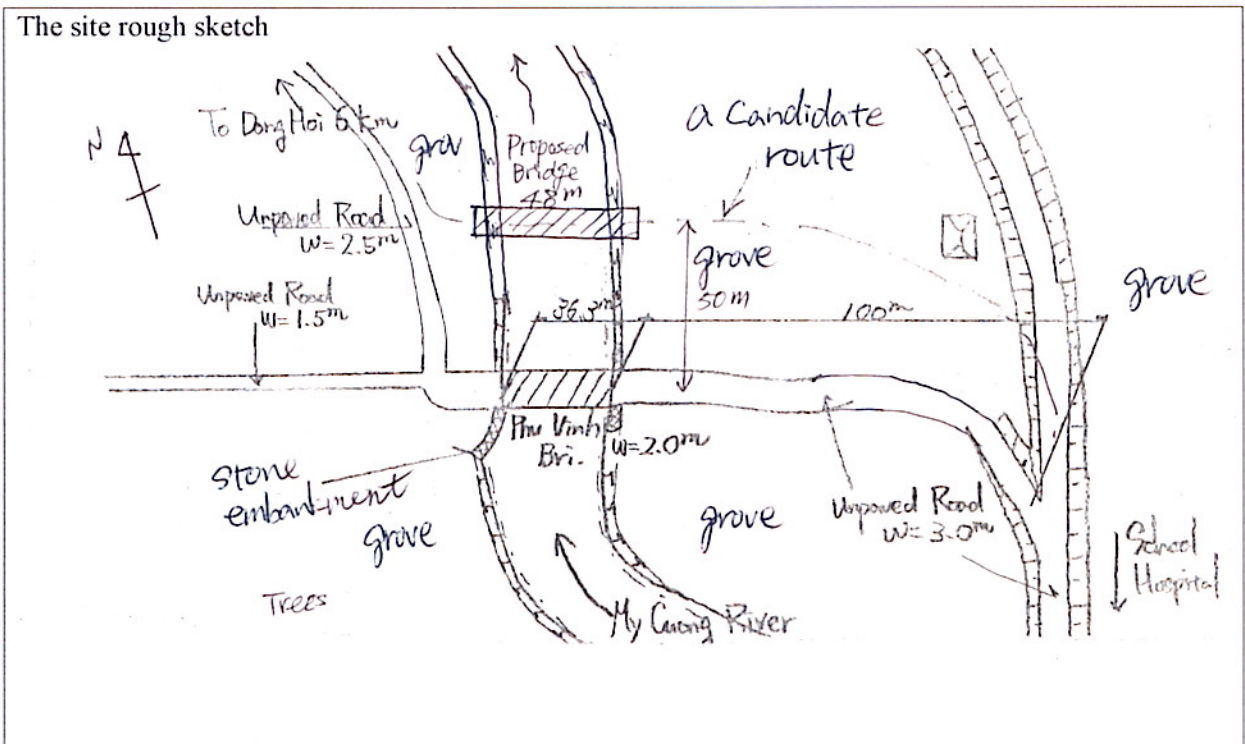
**No.15 Phu Vinh Bridge – Component B**

**(Quang Binh Province)**

**Site Information**

- 1) Existing bridge is a firm wooden one which is designed by town. Length=36.3m, 9 spans, width=2.0m. The bridge is built just next to bending point of the river, and therefore at left/upstream end of bridge is reinforced by gabion against score.
- 2) HHWL = bridge surface+1.0m, HWL = bridge surface+0.7m, LWL = bridge surface-4.5m. Freeboard:0.5m.
- 3) The proposed bridge will be built 50m downstream from the existing one, where the river is straight and narrower. Proposed bridge length will be  $2 \times 24 = 48\text{m}$ , and width is 5.5m.
- 4) No houses to be removed and no utilities to be relocated.
- 5) Construction yard will be located left/downstream area next to proposed bridge.
- 6) Access road on left bank is 2.5m earth road, 6km from Dong Hoi, and narrow.

**The site rough sketch**



Picture 1: The proposed bridge alignment 50m downstream



Picture 2: The existing bridge from the left bank

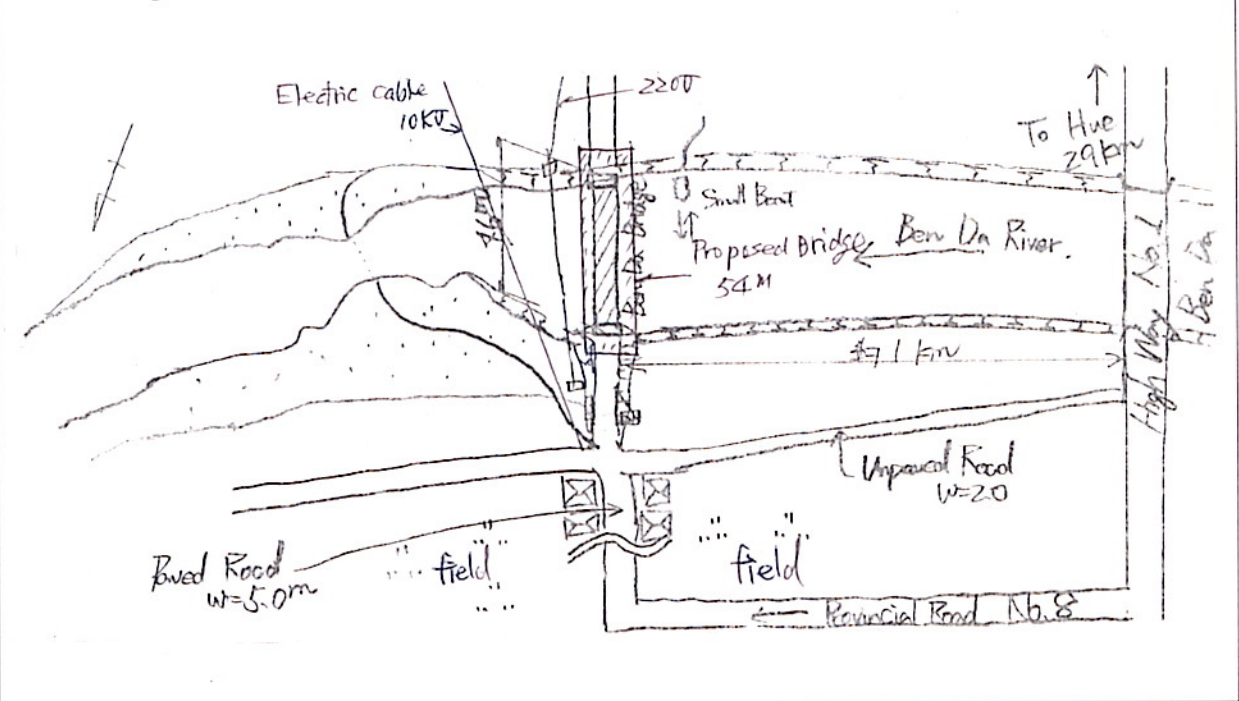
**No.20 Ben Da Bridge – Component B**

**(Quang Tri Province)**

**Site Information**

- 1) The bridge of an old No. 1 line. War destroyed the bridge and only two abutments and one pier remain. Old bridge was built by France. The bridge location is about 1km downstream of the river from existing bridge on NH1.  $3 \times 15 = 45\text{m}$ .
- 2) HHWL=Top of former abut top-0.5m, HWL= Top of former abut top-1.1m, LWL= Top of former abut top-4.5m. Freeboard:0.5m.
- 3) Proposed bridge will be built just on the alignment of the former bridge. Length will be  $2 \times 27 = 54\text{m}$ . Width is 5.5m.
- 4) No hoses will be removed, no utilities relocated.
- 5) Construction yard will be located on left bank.
- 6) Access from Nh1 on left bank is only 1 km and reasonable.

**The site rough sketch**



Picture 1: The former bridge from the left bank

Picture 2: The former bridge on the bridge alignment from left bank

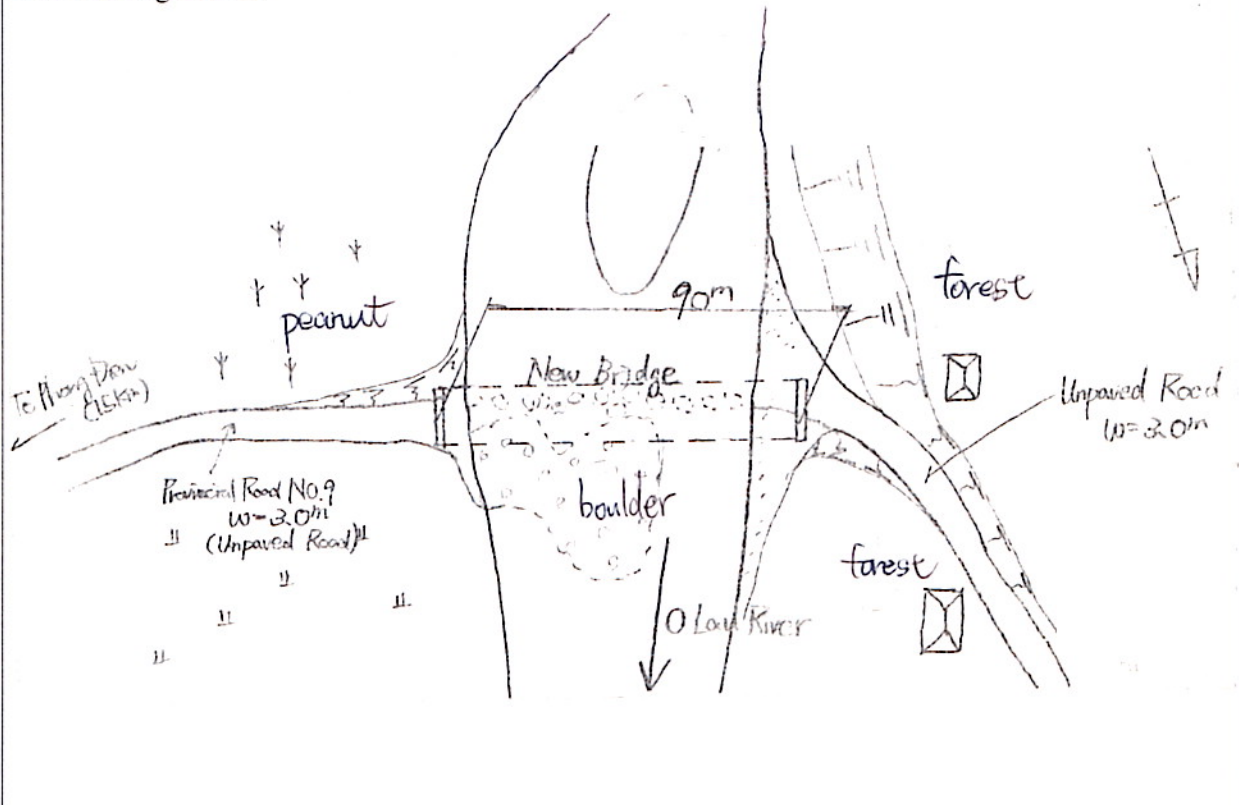
**No.24 Na May Bridge – Component B**

**(Thua Thien Hue Province)**

**Site Information**

- 1) The ethnic minority resides on the left bank mostly.(500persons), 200 reside on right banks. There are a school, a market, and a hospital on the right bank. There is a branch school on the left bank. Since alternative bridge does not exist, it is isolated in the rainy season.
- 2) HHWL= riverbed road + 5m, LWL= riverbed road + 0.5m. Freeboard:1.0m.
- 3) The proposed bridge will be built on the alignment of existing riverbed road. Length will be 3x30=90m and width will be 5.5m.
- 4) No houses will be removed and no utilities relocated.
- 5) Construction yard will be located on right bank.
- 6) Access on right bank is 3.0m earth road from NH1.

**The site rough sketch**



Picture 1: The existing riverbed road the right bank



Picture 2: From down stream