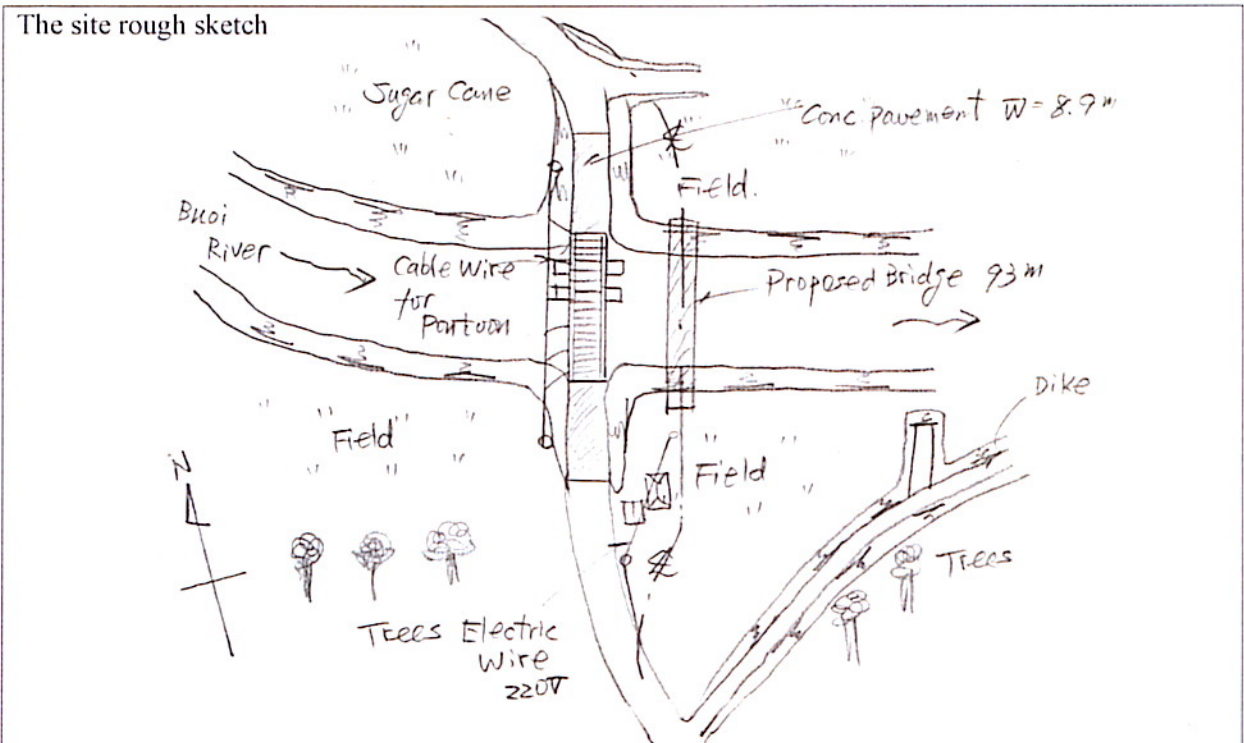


Appendix 7
Bridge Survey Results

No.5 Thach Dinh Bridge – Component A

(Tanh Hoa Province)

Site Information	
1)	District has managed the pontoon bridge. Charges (5,000VND for motorbikes/pedestrians, 10,000VND for vehicles) . The river width is 75 m.
2)	The highest flood level = Bridge surface + 4m, Yearly flood level = Bridge surface + 1.4 m Freeboard:0.5m.
3)	The proposed bridge will be aligned 25m downstream to improve approach road alignment. Bridge length will be 30+33+30=93m and width is 5.5m. Freeboard=0.5m.
4)	The houses of toll collection will be removed, and 220v electric cable will be relocated on right bank.
5)	Construction yard will be located on cultivated field on left bank-downstream space.
6)	Access roads both on left and right banks are 4m crushed stone paved and reasonable to transportation.



Picture 1: From left bank. At left end of photo
The proposed alignment of bridge will be allocated.

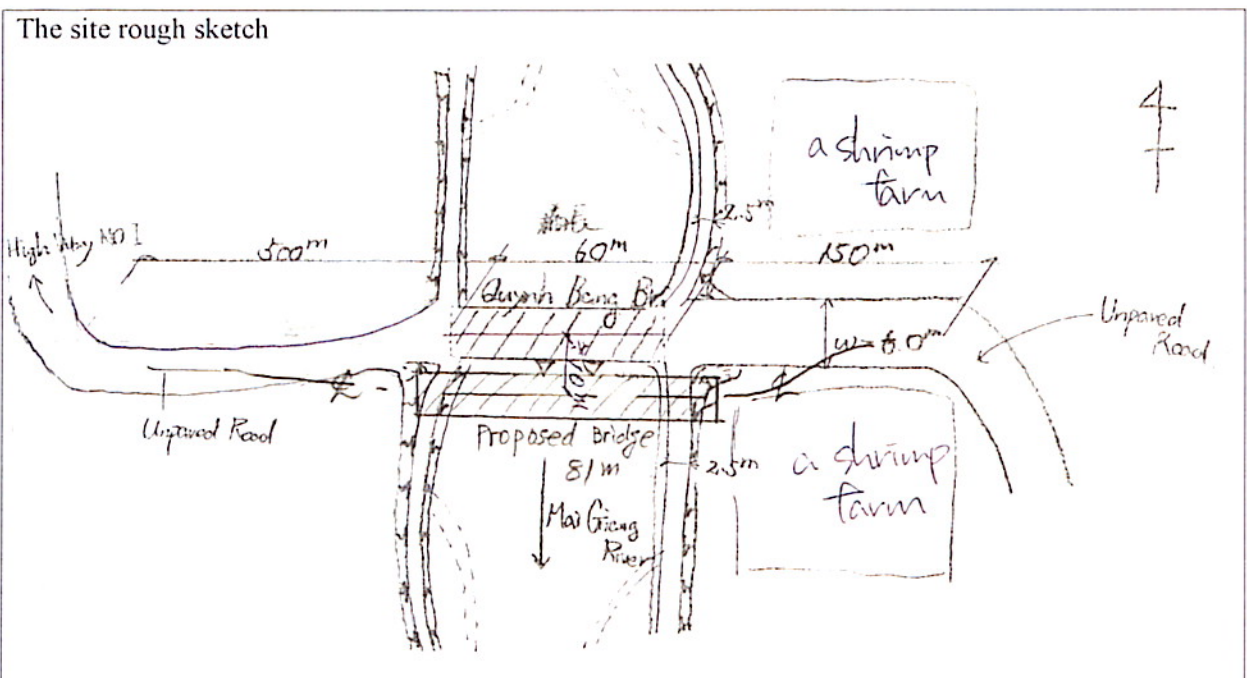


Picture 2: The existing pontoon bridge
from right bank

No.6 Quynh Bang Bridge – Component A

(Nghe An Province)

Site Information	
1)	Existing bridge(60m long and 5.9m wide) is just before collapse, and is dangerous. Design load is H-8, but now load limit 6t. Emergency replacement is required.
2)	Highest flood level = girder bottom of existing bridge. Yearly flood level = girder bottom-1.0m. Freeboard:0.5m.
3)	The proposed bridge will be built on downstream side of existing one. Access road on right bank will be made straight to the proposed bridge. Bridge length will be 3x27=81m and width is 5.5m.
4)	A few houses on right bank, downstream stretch will be removed. No utility will be relocated.
5)	Construction yard will be located on the shrimp farm on left- downstream space, since access on left bank is much better than on right bank from NHI.
6)	Access roads on both right and left banks connect with NHI. Access road on left bank (6.0m crushed stone surface) is better for transportation.



Picture 1: On proposed bridge alignment from right bank, 2 protection pile groups to be removed.

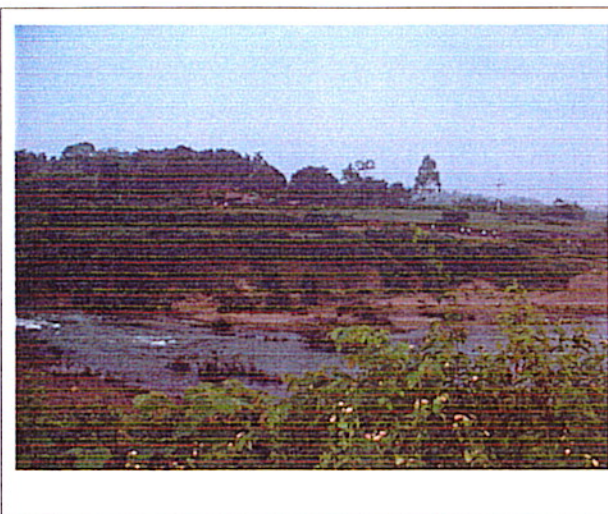
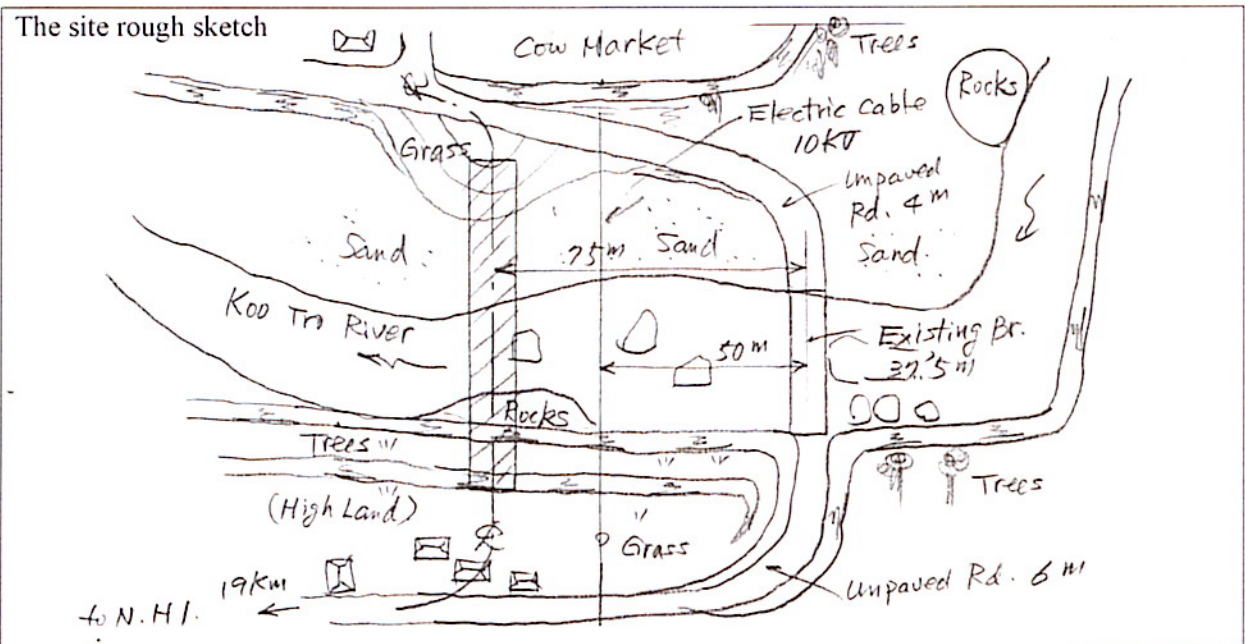


Picture 2: Access road on right bank from NHI will be made straight. A few houses to be removed.

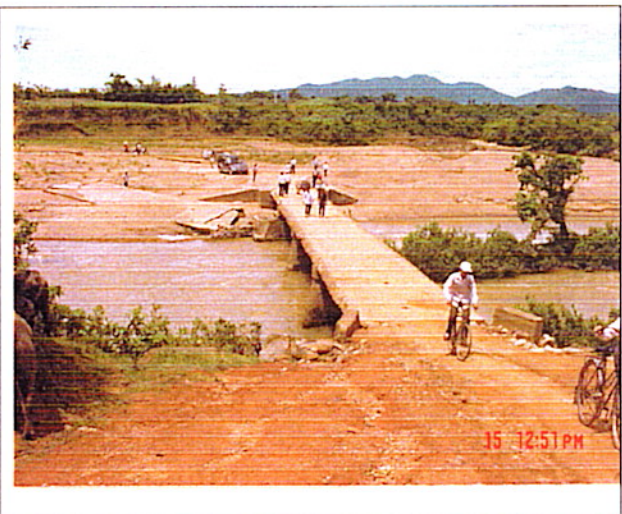
No.11 My Son Bridge – Component A

(Ha Tinh Province)

Site Information	
1)	The existing bridge is concrete slab bridge (4 span 38m long and 2.5 m wide) and very low to the flood level.
2)	HHWL= the level of lower flat area on left bank and level of the mound on right bank (=access road next to cow market area. Freeboard:0.5m.
3)	The proposed bridge location will be 75m downstream from the existing bridge. On this alignment the bridge will connect the flat highland in left bank with a high mound on right bank near the entrance to cow market area. Bridge length will be 27+30+27=84m (from left to right bank), and width is 5.5m.
4)	A few houses at flat area on left bank will be removed, while there is none on right bank. No utility will be relocated.
5)	Construction yard will be located on the flat highland on left bank.
6)	There are 3 submerged bridges on access road (5 m earth road) on left bank from NHI. It can pass during one year. The term, which cannot be passed, will be about 3 hours only.



Picture 1: The proposed bridge alignment from high flat area of left bank



Picture 2: The existing bridge from left bank