

Working Trip to Rongshui

14th to 17th April 2017

By Chan Chun Hong—BEng(CivE) III

Professor Nicolas Yeung, Professor Geroge Tham and Ms Anila Ma led 11 engineering students to visit Rongshui, Guangxi, China from 14th to 17th April 2017. The purposes of this trip are, firstly, to negotiate with villagers and contractor of about the reconstruction scheme of Tengchuen Bridge, secondly, to conduct site supervision and to discuss the finishes of the construction progress of the Teachers' Accommodation of Daping Primary School.

After a long travelling journey from Hong Kong to Rongshui, we had a dinner at Boss Wu's home. With the help of the surveying data in the previous trip, we knew that three piers tilted and needed to be rebuilt. We proposed three schemes to rebuild the Tengchuen Bridge. In the negotiation with Professors and Boss Wu, several construction factors were discussed, such as the cost of materials, the cost of labour, available technology, available machines and ease to access to the site. After this discussion, we had basic concepts about the cost of each scheme.

In the afternoon of the second day, we went to the Daping and had a site supervision of the Teachers' Accommodation of Daping Primary School. The roof was constructing. We checked the built parts according to the design drawing. We also discussed with the contractor about the finishes of the building, such as parapets and doors. The building was planned to be finished before August.

On the third day, we had a meeting with the officials of the village to confirm the scheme that they prefer. After presenting the preliminary designs, officials of the village said they would prefer the original scheme with better foundations. We proposed to make a continuous connection between three foundations of the original scheme to form a strip foundation. It could enhance the bearing capacity of the foundation even if heavy rain could erase the soil on top of the foundation.

After this trip, detailed design of original scheme with better foundations will be finished.

List of team members for the trip

Teaching staffs:

Prof. Leslie George Tham

Prof. Nicolas S.Y. Yeung

Ms. Anila Ma

11 undergraduate students:

Chan Chun Hong – BEng(CivE)III

Chan Wing Chun – BEng(CivE)III

Leung Shun Hei – BEng(CivE)II

Li Tsz Yau – BEng(CivE)II

Lo Kwun Yu – BEng(ME)III

Mok Kwan Yin – BEng(CivE)II

Ng Ka Wing – BEng(CivE)II

Shiu Hoi Kit – BEng I

Tai Ho Ting – BEng(CivE)II

Wong Chun Kit – BEng(CivE)III

Yu Chung Yin – BEng(CivE)III