

A Working Trip to Guigang (20th - 23rd October, 2016)

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Background Information

There are in total 18 students from the University of Hong Kong (HKU) and 12 students from South China University of Technology (SCUT) participating the feasibility study for two primary schools in Guigang. Student members from HKU were led by Dr. Kaimin Shih, Dr. Y.P. Huang and Ms Anila Ma while student members from SCUT were led by Dr. J. Li. The feasibility study was carried out simultaneously in two schools, Duling Primary School and Changcheng Primary School.

Duling Primary School

There are in total 17 students in Duling Primary School team, including 10 students from HKU and 7 students from SCUT. The objective of the team is to conduct a detailed feasibility study for Duling Primary School on the necessity and feasibility to build or renovate facilities within the campus. All students are generally divided into 4 sub-teams, which are the land surveying team, interviewing team, measuring team, as well as the facilities and environment assessing team.

Changcheng Primary School

There are in total 13 students in Changcheng Primary School team, including 8 students from HKU and 5 students from SCUT. The aim of the team is to carry out feasibility study for Changcheng Primary School to investigate the needs and feasibility of constructing any possible facilities inside the school to improve the learning condition of students. The division of labour is similar to that of Duling Primary School team.

Working Log

Day 1 (20th October, 2016)

All team members from HKU arrived Guigang Railway Station and met members from SCUT at 16:30. After that, we travelled to Jun Mei International Hotel to have dinner with Guigang Municipal Committee, United Front Work Department. We had meeting after dinner and discussed the arrangement and schedule of two teams.

Day 2 (21st October, 2016)

We headed to Duling Primary School at 8:30 in the morning and the travelling time from Guigang city centre to Duling Primary School cost about 35 minutes. A warm welcoming ceremony was held upon our arrival. Both teams stay in Duling Primary School before lunch therefore members of Changcheng Primary School team assisted Duling Primary School team to conduct the feasibility study before going to Changcheng Primary School.

Duling Primary School Team

Our works started at 10:00. In the beginning, all students took a walk around the campus to familiarize with the environment and set primary control points for the land surveying. Then, we separated into 4 teams and did our tasks separately. The land surveying team conducted traversing, levelling and detailing at the same time and all the points were measured within this day. The interviewing team had conducted interviews with the principal, teachers and students to understand their requirement and actual needs on campus facilities. The measuring team assisted the land surveying team to measure the dimension of permanent objects. The facilities and environment assessing team checked the condition of facilities and examined the engineering constraints.

At night, a meeting was held to briefly talk about the progress of our work. The measuring team reported that they hadn't finished measuring all the permanent objects. During our discussion, we discovered some data was missed in the interview and we decided to ask the principal additional questions on the

next day. The drawing was also finished this night and some errors were found. Therefore, the land surveying decided to redo some points on the next day.

Changcheng Primary School Team

After having lunch in Duling Primary School, we travelled to Changcheng Primary School. A welcoming ceremony was held in Changcheng Primary School upon our arrival. The team was also divided into four sub-teams including detailing team, interviewing team, dimension measurement team and facilities & environmental assessment team. The basic division of labour was similar to that of Duling Primary School team.

Detailing and levelling tasks were carried out at the same time using a total station and a prism. The detailing team used one hour to finish detailing work and used another one hour to complete the drawing of Changcheng Primary School. The drawing was used to locate all the permanent objects in site boundary. The interviewing team spent whole day interviewing the principal, three teachers and all students in Changcheng Primary School. The dimension measurement team measured all the dimensions of existing facilities including the thickness of wall, dimension and location of rooms, columns and beams, etc. Facilities and environmental assessments were carried out to investigate engineering constraints after all the interviews were done.

A meeting was held at night to discuss the needs of Changcheng Primary School and evaluate the urgency, necessity and feasibility of constructing new facilities for this primary school. We have gathered all information collected on the second day and have a brief summary. We also decided to redo some detailing points to correct the errors found in the drawing and interview remaining teachers and representative of Changcheng village on the next day.

Day 3 (22nd October, 2016)

Duling Primary School Team

We used about 3 hours to finish all the remaining works as discussed on the previous night. At night, a meeting was held again to report the results to all our team members, which included the interviewing results, possible construction area and any engineering constraints. We discussed with students from SCUT on how to arrange the position of each facilities and the engineering constraints we needed to take into account. Students from SCUT suggested that they can help us with the budget estimation since they have learnt how to calculate the cost of construction materials. It was a great experience working with them.

Changcheng Primary School Team

We continued the interviews with remaining teachers and representative of Changcheng village in the morning. The environmental assessment team had walked the back of the school to found the location of septic tanks and sewage pipes. The detailing team had finished the re-measurement of the points discussed yesterday. All works were done on time. A meeting were held with SCUT students in primary school immediately to discuss the room arrangement of current primary school and the future room arrangement and plan of Changcheng Primary School. Students from SCUT were willing to contribute the cost estimation section in the feasibility report. A meeting was held at night to gather and summarize all the information collected during the two working days.

Day 4 (23rd October, 2016)

We travelled to Guiping which is located near Guigang for sight-seeing. We went hiking in West Mountains of Guiping in the morning. After hiking, we had our lunch there and went back to hotel for check-out. We departed Guiping in the afternoon and arrived Hong Kong at 20:00. It was a great experience collaborating with students from SCUT and conduct feasibility study in a Guigang. We all appreciated Project Mingde providing us an opportunity to learn things through real life practice.

List of team members for this trip

3 teaching staffs from Department of Civil Engineering:

Ir Dr. Kaimin SHIH

Dr. Y.P. HUANG

Ms. Anila MA

18 undergraduate students:

CHAN Chau Wong, BEng(CivE) III

CHEUNG Wing Tung, BSc(Surveying) II

KIU Ling Ho, BEng(CivE) III

LAM Ho Tung, BEng(CivE) III

LAM Man Sum, BEng(CivE) III

LAM Tak Po, BEng(CivE) II

LAU Chi Yeung, BEng(CivE) II

LEE Fu Kuen, BEng(CivE) II

LUI Cheuk Him, BEng(CivE) III

NGAI Kin Hang Andrew, BEng(CivE) II

POON Chee Tou Calvin, BEng(CivE) II

SHUM Pui Ying, BEng(CivE) III

SIT Yi Lam Kathy, BSc(Surveying) II

TSE Hoi Yan, BEng(CivE) III

WONG Chi Shun Jason, BEng(ME) II

WONG Chun Sing, BEng(CivE) III

WONG Shek Wan, BEng(CivE) III

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