

Name of Person : LIU Chin-yu
Nationality : Chinese
Date of Birth : 1959 (Male)
Profession : Legal and Engineering

Academic Qualification B.Sc (Eng) in Civil Engineering, King's College London (1983)
M.Sc (Eng) in Civil Engineering, Hong Kong University (1990)
LLB (Hon), Bachelor of Laws, University of London (1998)
PCLL , Post-graduate Cert. in Laws, Hong Kong University (2002)

Professional Qualification Member of the HK Institution of Engineers (MHKIE – May 1990)
Member of the Institution of Civil Engineers (MICE – Mar 1993)
Member of the Engineering Council (CEng – Sep 1994)
Registered Professional Engineer (RPE)
Member of the Hong Kong Bar Association (HKBA – Nov 2002)
Panel Arbitrator, HKIAC and HKIE
Accredited Mediator, HK Construction Arbitration Centre
Authorized Signatory, RSC(D), Buildings Department

Key Experience

Mr Liu is a civil engineer with 10 years experience working with contractors and consultancy firms before joining the HKSAR Government in the offices of Highways Department, the then Civil Engineering Departments and the then Works Bureau (for over 11 years). He had been involved in various large scale engineering projects, such as Tate's Cairn Tunnel, Airport Core Programme Road & Airport Railway Bridges, Route 3 Country Park Section and Cyberport. Furthermore, he has experience in design, construction, contract administration and management of projects involving roads, drainage, reclamation, piers, bridges, tunnels and buildings. Mr. Liu has experience working as engineer in the role of contractor, consultant and employer, in particular rates and claim assessment.

Mr. Liu is now a qualified Barrister specializing in construction disputes for more than 10 years, in particular assessment of liability and quantum. Apart from acting for the parties in the courts and arbitral proceedings, his work has involved being appointed as mediator, resolving disputes between the main contractor and subcontractor. Mr. Liu is appointed as Sole Arbitrator in construction related disputes, as a Co-Arbitrator in one international commercial dispute, as a Presiding Arbitrator in one international construction related dispute and one international commercial dispute. Mr. Liu is also a Dispute Resolution Advisor in three Government construction contracts.

Mr. Liu is also practicing as the engineering consultant for engineering design works, such as design and supervision of demolition of Star Ferry Pier, various structures at the Ocean Park, school, residential, industrial buildings, City of Dream, Exxon Mobile Depot and Harbour Road Sports Centre, Airport Bridge Structures in compliance with the requirements under the Building Ordinance and the associated Regulations.

1983 – 1986 Working with Construction Contractors

1983 – 1986 Site Engineer with Gar Wing Hung Kee Construction Co.

1986 Site Engineer with Marples International Limited

Site Training and Career Development

During his three years with contractors on building construction and engineering structures, Mr. Liu was responsible for the day to day site supervision, site management and contract administration, which involved assigning work duties to foremen and workers of various trades. He was responsible for preparing technical submissions, programs and co-ordinating with various utility undertakers, material suppliers and engineering professionals. Working with construction contractors gave Mr. Liu the opportunity to gain invaluable technical knowledge and site experience. Daily contacts with different parties enable Mr. Liu to understand the difficulties and problems a construction site faced. He fully acquainted the construction practice of various trades and problems with different layers of sub-contracting parties, in particular the education background, the ability to read drawings and English, the work standard and trade practice vary differently.

1986 – 1992 Working with Engineering Consultants

1986 – 1988 Assistant Resident Engineer and Assistant Design Engineer with Scott Wilson Kirkpatrick & Partners

1988 – 1992 Design Engineer/Senior Engineer with Charles Haswell & Partners (Far East) Ltd

Having gained extensive technical knowledge and site experience, Mr. Liu joined Scott Wilson Kirkpatrick & Partners, a consulting engineering firm to work on site. He was responsible for contract administration and site supervision of the contractors' construction works, in particular to lead a team of engineering surveyor and quantity surveyor to ensure the correct lines and levels and timely process of payment, to co-ordinate with various utility undertakers and with the design engineers to review the design. Mr. Liu further developed his skill and technical knowledge during his role as Engineer's Representative and Quality Control.

Contract Administration and Management Role

Moving from site office to the design office, Mr. Liu gained experience in developing and implementing high quality designs for various public work developments and infrastructures.

Having gained extensive design and site experience, Mr. Liu worked for Charles Haswell & Partners consulting engineering firm and later took the post at senior level in contract administration and management representing the Engineer. In engineering design, Mr. Liu led a team of young engineers, surveyor and draftsmen to ensure that the design is in accordance with good practice and standards, to liaise with various Government Departments and utility undertakers with a view to incorporating their requirements. He was also responsible for the evaluation of tenders and subsequently supervision of the works.

Whilst working on the Tate's Cairn Tunnel project, Mr. Liu gained the experience in Build, Operate and Transfer ('BOT') concept, in particular financial arrangement, meetings with design experts and construction progress and program.

Office Administration, Personnel and Financial Management

Prior to tender award, Mr. Liu was responsible to set out the standards, skill and training requirements for the site supervisory team. Mr. Liu was involved in recruiting, interviewing and recommending to the client on the appointment of the site supervisory team. He was also involved in the financial management to ensure that the costs of supervision were within the designated budget. During the construction stage, Mr. Liu made recommendations for the site safety and worker training programs. He was very successful in achieving all of the above efficiently and to a level of high standard.

1992 – 2003 Working in the Offices of Highways Department, Works Bureau and Civil Engineering Department of the Government of the HKSAR

1992 – 1998 Engineer with the Highways Department

1998 – 2002 Assistant Secretary for Work (Senior Engineer) with Works Bureau

2002 – 2003 Senior Engineer with Civil Engineering Department

Project and Contract Management of Airport Core Programme

Mr. Liu commenced his work in the office of the Highways Department in 1992 and was responsible for the contract management and administration of the Airport Core Programme Road and Airport Railway Bridges which were combined elevated structures carrying road traffic at the top deck and railway at the intermediate deck.

Mr. Liu represented the Highways Department to co-ordinate with the design team in relation to the design, tender and contract award of the airport railway bridges and thereafter monitoring of the work progress to ensure that it was completed before the opening of the Chek Lap Kok Airport. As the combined elevated structure was designed to sustain both the road and Mass Transit Railway (“MTR”) railway, Mr. Liu was successful in negotiating with the MTR design team regarding the assessment of the cost apportionment on the common foundations and structures and on the Entrustment Agreement.

Whilst working on the Route 3 Country Park Section, Mr. Liu gained the experience in another BOT road project.

Project Management

Mr. Liu was transferred to the Works Bureau in 1998 for four and a half years. He was responsible for formulating works policy on Public Works Programme, monitoring the upgrading progress of public works projects, formulating assessment methodology of job opportunities arising from public works projects and project and contract management of the Cyberport project. For the Public Works Programme, Mr. Liu led a team of engineers from Architectural Services Department, Civil Engineering Department, Drainage Services Department, Highways Department, Territory Development and Water Supplies Department for the inclusion of potential projects in the Public Works Programme. He was also responsible for the registration of the public works in the designated computer system, timely upgrading of various public works at different category through Public Works Sub-committee and Finance Committee of Legislative Council. The monitoring of this process was important to ensure sufficient contracts were commenced in a timely manner so job opportunity targets were achieved and created.

Project and Contract Management of Cyberport

Mr. Liu was involved in the initial stages of negotiation right through to the completion of the project. He was the only representative on behalf of the Works Bureau to assist the ITBB in co-ordinating a team of experts comprising of engineering design experts, financial experts and investors. Mr. Liu was responsible to lead the team of engineers from Territory Development Department, design consultants and the appointed contractors for providing the basic infrastructures to the Cyberport. He was successful in negotiating with the investor on the Entrustment Agreement which therefore enabled the Territory Development Department to commence the construction works on time. Mr. Liu monitored the progress of the construction works and was successful in ensuring that the basic infrastructures were completed according to the agreed programme. Mr. Liu was involved in the drafting and negotiating with the investors the Entrustment Agreement and Co-operation Agreement for the Cyberport development.

Maintenance and District Administration and Management

Mr. Liu was transferred to the Civil Engineering Department in 2002 which was responsible for the maintenance and district administration and management of more than 100 numbers public and licensed ferry piers. Mr. Liu led a maintenance team comprising of approximately 20 engineers, inspectorate and supervisory staff to carry out routine maintenance of the above ferry piers. He was able to utilise the human capital and maintenance contractors to meet the designated inspection schedule and frequency and within the designated budget.

Personnel Management and Training

Mr. Liu discovered a lack of experience and expertise in the protection of pier structures and investigated the increasing costs of maintenance of these. He was appointed a committee member for drafting the maintenance contract and selection of consultants for the cathodic protection of the pier structures. Mr. Liu introduced relevant section which required selected consultants to provide training to government engineers. This in turn led to the development of their own manual and therefore enabled them to design the system without relying on external expertise.

2003 - Present

2003 - 2004 Pupil Barrister

2005 - Present Barrister-at-law/Engineering Consultant

Mr. Liu is now a practicing barrister mainly on construction disputes for parties through arbitration and court proceedings. Mr. Liu is appointed as Sole Arbitrator in construction related contractual disputes; as a Co-Arbitrator in one international commercial dispute, as a Presiding Arbitrator in one international construction related dispute and one international commercial dispute. Mr. Liu is required to act independently and impartially when deciding issues and to determine liability and assessment of quantum. Mr. Liu is also a Dispute Resolution Advisor in three Government construction contracts.

With Mr. Liu's past experience, he knows very well the problems facing the Hong Kong construction industry, how they are identified and the possible compromise solution. Mr. Liu has also the benefits being a construction lawyer in handling various legal matters, issues relating to the construction industry and the procedures required during planning and implementation.

Mr. Liu is also practicing as the engineering consultant for some engineering works, such as the design and supervision of demolition of Star Ferry Pier, various structures at the Ocean Park, school, residential, industrial buildings, City of Dream, Exxon Mobile Depot and Harbour Road Sports Centre, Water Supplies Department Depot and Kwai Chung Hospital in compliance with the requirements under the Building Ordinance and the associated Regulations.

Experience Record

1/2005 - Present Barrister/Engineering Consultant

Barrister practicing on construction disputes in Courts and Arbitration Tribunal.

Engineering consultant in the design and supervision of demolition of Star Ferry Pier, various structures at the Ocean Park, school, residential, industrial buildings, City of Dream in Macau, Exxon Mobile Depot in Tsing Yi, Harbour Road Sports Centre, Water Supplies Department Depot and Kwai Chung Hospital in compliance with the requirements under the Building Ordinance and the associated Regulations.

As Sole Arbitrator to resolve construction related disputes between Developer and Main Contractor, between Main contractor and Sub-contractor, between the Employer and the Main Contractor. As Co-Arbitrator in one international commercial dispute, as Presiding Arbitrator in one international construction related dispute and one international commercial dispute. As Dispute Resolution Advisor in four Government construction contracts.

12/2003 – 12/2004 Pupil Barrister

12 months training at the Pacific Chambers, Prince's Chambers and Gilt Chambers.

1992 – 11/2003 Engineer/Assistant Secretary for Works/Senior Engineer, HKSAR Govt

1992 – 1998 Highways Department (Engineer) – Employer's role in contract administration of Kwai Chung Viaduct contract and Route 3 Country Park section. Experience related to construction of combined road and railway elevated structures, assessment of claims, mediation and management of consultants.

1998 – 2002 Works Bureau (Assistant Secretary for Work) – Formulating works policy on Public Works Programme. Administration and monitor the progress and expenditure of public works projects. Formulating assessment methodology of job opportunities arising from public works projects. Monitor the progress of Cyberport project.

2002 – 11/2003 Civil Engineering Department (Senior Engineer) – Maintenance and district administration of 100 number public and licensed ferry piers within Port District. Prepare and selection of consultants, arrangement of funding for the

installation of cathodic protection to ferry piers.

1988 – 1992

Engineer/Senior Engineer, Charles Haswell & Partners (Far East) Ltd

1988 – 1992

Tolo Harbour Effluent Export Scheme. Engineer engaged in the hydraulics and structural design of 7km long sewage tunnel and 200m long drainage box culvert, preparation of tender document, drawings, bills of quantities.

Tate's Cairn Road Tunnel – Independent Site Checking Engineer responsible for progress monitoring, quality control and checking of contractor's submissions for the construction of 4km long twin 10.68m I.D. road tunnel from Sha Tin to East Kowloon.

1990 – 1992

East Kowloon Sewerage Improvement and Pollution Control Stage 1 - Senior Engineer responsible for the detailed design and contract administration of 3km long sewers using open cut, thrust bore and pipe-jacking; pumping stations and inverted siphons.

1986 – 1988

Scott Wilson Kirkpatrick & Partners

1986 – 1988

Tuen Mun New Town Development – Assistant Resident Engineer engaged in the site supervision and contract administration of the construction of roads, drainage, retaining wall, piled foundation and filling of 120,000 cu.m PFA.

Tuen Mun New Town Development – Assistant Engineer engaged in the hydraulic design of drainage system, design of road and retaining structures.

1986

Marples International Limited

1986

Sheung Shui Development – Site Engineer responsible for the site supervision of the construction of subway at the centre of Shek Wu Hui, design of temporary works and traffic diversion.

1983 – 1986

Gar Wing Hung Kee Construction Co.

1985 – 1986

Fairview Park Development – Site Engineer responsible for the site supervision and management of the construction of low-rise residential buildings, roads, drainage and site formation. Planning and monitoring of the works progress and quality control of both workmanship and material.

1983 – 1986

Fanling Development – Site Engineer responsible for the site supervision and contract management of roads, drainage and subway to improvement existing On Lok Village and widening of existing Sha Tau Kok Road. Planning and monitoring of works progress, prepared schemes of traffic diversion and works programme.