The Sixth Lumb Lecture LESSONS LEARNED FROM TYPHOON MORAKOT AND





HAZARD PREVENTION / MITIGATION IN TAIWAN

Presented by

Dr. Za-Chieh Moh, Chairman, MAA Group Consulting Engineers

7:00 p.m. October 14, 2010 (Thursday), Rayson Huang Lecture Theatre, The University of Hong Kong



· ABOUT THE SPEAKER

Dr. Za. Chieh Moh is the founder and Chairman of MAGROUP COSULTING REGINEES with offices in Bangkok (Thailand), Beijing (China), Hong Yong, Penang (Malays), Shanghai (China), Singapore and Taipei, He received Bachelor's and masters degrees in Chil Engineering from the National Taiwan University and Iowa State University respectively. In 1961, he received Doctor of Science degree from the Massachusetts institute of Technology.

Before establishing the MAA Group, Dr. Moh was Professor of Geotechnical Engineering, Provost &

Vice President at the Asian Institute of Technology in Bangkoik, Pirior to his cancer at ATI. Be was a Gaily member at the Visio University. It has it a Follow or many institutions including the HISI, ICE, ASC etc. He was the Founding President of the Southeast Asian Geotechnical Society and Vice President of the International Society for 50M Mechanics and Geotechnical Engineering. At present, Dr. Mohi serving as the Chairman of the Chinese Taiple AFEC Engineer ID. In Mohi serving as the Chairman of the Chinese Taiple Life Regineer Monitoring Committee and Chinese Falipe Life Regineer Monitoring Committee and Chinese Falipe Life Regineer Monitoring Committee and Chemese Taiple Life Regineer Monitoring Committee and Chemese Taiple Regineer Monitoring Committee and Chemese Taiple Regineer Monitoring Committee and Chemese Toman yn professional Institutions. He is now also an Adjunct Professor of the Hong Kong University of Science and Technology.

Dr. Moh has received numerous awards including an Honorary Doctor of Technology from the Asian Institute of Technology, Honorary Member of the Japanese Geotechnical Society, and the Road Engineering Association of Asia and Australesia, 2008 Engineer of the Year of the Federation of Engineering Institutions, Asia & Pacific.

ABOUT PROFESSOR L

Professor Lumb became a lecturer in the Department of Civil Engineering. The University of Dong Rong in 1953. After 32 years of service at the University, he retired in 1966. Many of his ex-students have find memories of him asks modest teacher who preferred to keep a low profile. Fed dedicated his life-towards, the dawning of gootechnical engineering in Hong Kong and received numerous wards in recognition of his great contributions.

SYNDES

The steep terrain and fragile geology make the Island of Taiwan vulnerable to many nakrual hazards. According to the book, entitled 'Natural Disaster Hotspots: a Global Risk. Analysis' published by World Bank, Taiwan may be the Iplace on Earth most vulnerable to natural hazards, with 73 percent of its land and population exosed to three or more hazards.

The Island is locited on the path of warm ocean currents and is swept by, or na warrage, 3.7 yibnoss per year. Destructive hyphons accounted for 5% of the natural hazards and resulted in huge losses. On the other hand, the Island needs a couple of typhons each year foll fully the reservoir, or it will face serious drought in the coming year. For this reason, Typhono Moraket of 8 August 2009 was much ambigated beforehand, however, it unfortunately asseed unprecedently damages in Southern Taiwar at the end, Intense ainfall caused insulation delthis flows. Many villages were flooded for a couple of views and stone that 20 thousands of people were evacuated. The death, foil gaabed 619 and the connomical loss is estimated to exceed 174500 billions (12513 till lions).

This lecture discusses damages made by Typhoon Morakot with emphasis on engineering aspects such as debris flows, inundation and impacts to environment and infrastructure. Also discussed are the measures taken by the government for hazard prevention and mitigation, including assessment and prediction, monitoring and warning oxtems.

FREE ADMISSION - ALL ARE WELCOME

No prior registration is required. Attendance certificates will be available.
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