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TALK ON "CONSTRUCTION OF THE LONGEST CAST IN-SITU BALANCED CANTILEVER BOX GRINDER BRIDGE SUPPORTED ON CANTILEVER CROSSHEAD"

Organised by the Civil and Structural Engineering Technical Division (CSETD)

BEM Approved CPD/PDP: 2 Ref No: IEM18/HQ/537/T

Date	:	**17 JANUARY 2019 (Thursday)**
Time	:	**5.30 p.m. – 7.30 p.m.**
Venue	:	**Malakoff Auditorium** **Ground Floor, Wisma IEM,** **Petaling Jaya, Selangor**
Speaker	:	**Ir. LOW HIN FOO** *B.Eng (Hons) Civil, CEng MIStructE, MIEAust CPEng, MIEM PEPC, ASEAN Eng, APEC Engineer, IntPE(MY)*

SYNOPSIS

This 2-hour evening talk will explain the design and construction of the longest prestressed cast in-situ box girder supported on cantilever crosshead (indirect support) built by balanced cantilever construction method at Melaka. The talk will explain the design and detailing as well as the construction of the multiple-span segmental box girder bridge. During the session, it also shows the construction sequence, the typical construction cycle for this cast in-situ box girder construction and the operation of the form travelers. Some of the construction related matter like, temporary fixity system, box girder dimension control; precamber design and Christmas tree as well as the mid-span stitching will be explained.

SPEAKER BIODATA

Ir. LOW HIN FOO graduated from University Malaya with an Honours degree in Civil Engineering. Since then, he has almost 20 years of experience in the design and construction of various buildings and bridges using reinforced and prestressed concrete, both locally and abroad. He was the *Technical Manager* for prestressing specialist contractor, *BBR* Construction Systems, and he is currently the *Principal Engineer* for a design consultancy firm, *OSD Consultants (M) Sdn Bhd.*

Ir. Low has involved in the design and construction of few long span prestressed bridges built by balanced cantilever method and he is familiar with the design of integral bridge design. He has vast design experience in the design of prestressed structures for large commercial projects and residential towers with specialist experience in the global lateral analysis of flat slab structures, design of prestressed transfer plate for high-rise towers, and the design of prestressed structure strengthening using CFRP or plat bonding. He is currently working with Monash University Malaysia on research projects on prestressed transfer plate. He is also actively involved in the training of engineers and undergraduates by conducting courses on the design of prestressed building as well as bridge structures.

ANNOUNCEMENT TO NOTE

FEES

(Effective 1st October 2017)

Members

Registration Fee	:	No Charge
Administrative Fee	:	
Online		RM15
Walk In		RM20

Non-Members

Registration Fee	:	RM50
Administrative Fee	:	RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- **To secure your seat, kindly register online at www.myiem.org.my**

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Ir. CHONG CHEE MENG
Chairman
Civil and Structural Engineering Technical Division