

## **WEBINAR TALK ON RAILWAY PROTECTION ZONES: ENGINEERING, LEGAL AND RISK IMPLICATIONS IN RAILWAY INFRASTRUCTURE DEVELOPMENT**

**DATE: 7 APRIL 2026 | TIME: 3:00 PM - 5:00PM**

BEM Approved CDP: 2 Hours      Ref. No.: IEM26/HQ/085/T(w)

### **Synopsis**

Rapid urban intensification and transit-oriented development have increased construction adjacent to operational railway corridors, introducing significant geotechnical, structural and operational risks. Railway Protection Zones (RPZ) function as critical engineering control mechanisms to safeguard track geometry, signalling integrity and service reliability. This lecture examines RPZ from an integrated transportation engineering perspective, covering setback controls, settlement and vibration limits, clearance envelopes, and construction interactions with railway assets. It outlines regulatory approval processes, professional responsibilities and liability exposure. Drawing on Malaysian urban rail case experience, the session highlights risk identification, monitoring regimes, trigger action planning and stakeholder coordination to ensure safe, resilient railway operations.

### **Speaker's Biodata**



***Ir. Ts. Syazwan Muhaimin,  
PMP®, CCPM***

**Ir. Ts. Syazwan Muhaimin**, PMP®, CCPM, is a Professional Engineer and HRD Corp Accredited Trainer with over 14 years of experience delivering complex infrastructure and railway projects across the public and private sectors. He has contributed to major national developments including MRT, LRT and the Pengerang Integrated Petroleum Complex (PIPC), serving organisations such as Sunway Construction, MMC Engineering, Gamuda, MRCB and Johor Petroleum Development Corporation (JPDC). A CIDB Certified Construction Project Manager Level 6, he integrates engineering execution with PMI aligned project governance, translating structured project management principles into practical, real-world application for engineers and infrastructure professionals.

#### **Registration fee**

Student Member: Free  
IEM Member: RM15.00  
Non-Member: RM70.00

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