

Senior Design Engineer – Bridge Structures | AECOM

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AECOM is seeking Senior Bridge Engineers to be based in Dubai, UAE. The Senior Bridge Engineer will be responsible to produce the design information and coordinate with the CAD/BIM technicians for the drawings production. Design will be carried out in accordance with AASHTO LRFD, Eurocodes, AREMA and or any other international design code as applicable. He/She may be assigned, if required, to undertake some site inspections.

Responsibilities:

Development of design concepts, carrying out detailed design of bridges, underpasses, rail structures and other infrastructure structures.

Produce detailed design information including calculations and design sketches.

Provide technical lead on design tasks.

Liaise with CAD/BIM Technician for production of drawings.

Plan and carry out site inspections of structures, if required.

Prepare technical reports.

Carry out risk assessments and provision of design information for Health and Safety.

Inspection, assessment and strengthening of road/rail bridges and other structures.

Report writing and production of technical reports and documents.

Championing innovation and demonstrating technical leadership to small size team.

Requirements:

Degree educated or equivalent in a relevant subject such as Bridge, Civil or Structural Engineering.

Preferably educated to MSc level or equivalent.

Must have minimum of 10+ years of hands on experience in Bridges. UAE/ME projects experience would be preferred.

Relevant experience in inspection and assessment of bridges and other transportation structures is preferable

Must have worked at a similar level on major civil infrastructure projects.

Understand the commonly used forms of contract and the implication to drawings produced on each project as per client requirements.

Shows willingness and enthusiasm, actively contributes.

Supports colleagues, seen as a team leader.

Verifies that work carried out is correct as per client requirement.

Knowledge sharing to junior Technicians.

Experience with various software packages for analysis and design such as Midas, STAAD, SAP, RM Bridges.

#J-18808-Ljbffr

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