

Principal Engineer- Bridge Structures

AECOM • All Melbourne VIC

 Base pay
\$0 - \$0

 Work type
Full Time

 Contract type
Permanent

Job details

 Date posted
19 Jul 2021

 Expiring date
24 Mar 2022

 Category
Engineering

 Occupation
Mechanical Engineering

 Base pay
\$0 - \$0

 Contract type
Permanent

 Work type
Full Time

 Job mode
Standard/Business hours

Full job description

Job Summary

As a result of a significant project pipeline, AECOM is looking to grow its Structures Group (Bridges & Tunnels). Working with a large and highly experienced Civil Infrastructure - Structures Team, you will support a range of projects for a broad range of clients on local, regional and inter-state projects.

Working with a team of specialists, this role will give you the opportunity to further develop your engineering, design and management skills. You will work with a number of internal and external clients and will be involved in key stakeholder engagement processes, contributing to the growth of our business.

This role is focused on active contribution in some leadership roles the delivery structural design for transportation projects. As Senior/ Principal member of Civil Infrastructure Structures Bridges team (VIC, SA) you will provide engineering calculations and engineering modelling for technical solutions to senior leaders to allow their communication to the clients. You will also be working very closely with junior team members and providing technical guidance and mentorship. In this role there will also be a focus on delivering client excellence, leading technical teams and delivering technical engineering design and documentation.

Minimum Requirements

About You

- Minimum 12 years' experiences in a bridge or underground structural design role.
- Experience working for an engineering design consultancy – highly regarded
- Knowledge, competency and local experience in structural design and

preparation of design schemes, models and calculations.

- Demonstrated skills in leading and managing projects (or components of), and budgets to meet time and resource requirements.
- Demonstrated experience as an integrated team member delivering complex projects and meeting delivery requirements
- Timeliness and accuracy of completing tasks and delivering
- A strong sense of commitment, a willingness to learn and a desire to work in a dynamic deadline driven team environment and develop other team members
- Ability to work autonomously and take responsibility for quality of deliverables and meeting deadlines
- Demonstrated technical experience in producing and delivering structural assessments and designs for complex projects
- Advanced structural analysis – pushover, non-linear, time history, finite element analysis
- Familiar with modelling behaviours of a variety of material types and construction methodologies such as in-situ reinforced concrete, steel, prestressed, precast, post-tensioned, CFRP
- Understanding of soil - structure interaction
- Highly proficient in the use of Engineering software packages and Microsoft Office Qualifications
- Tertiary qualification in engineering (preferably structural).
- Ability to work and collaborate in 3D environment

This role is ideal for individuals who enjoy working in a multi-disciplinary environment, with engineers, drafters and designers at varying levels of experience. We are looking for experienced professionals who will take on a technical mentoring role for our junior staff whilst growing their own career within an international consultancy.

Preferred Qualifications

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What We Offer

When you join AECOM, you become part of a company that is pioneering the future. Our teams around the world are involved in some of the most cutting-edge and innovative projects and programs of our time, addressing the big challenges of today and shaping the built environment for generations to come. We ensure a workplace that encourages growth, flexibility and creativity, as well as a company culture that champions inclusion, diversity and overall employee well-being through programs supported by company leadership. Our core values define who we are, how we act and what we aspire to, which comes down to not only delivering a better world, but working to “make amazing happen” in each neighborhood, community and city we touch. As an Equal Opportunity Employer, we believe in each person’s potential, and we’ll help you reach yours.

Job Category Engineering - Civil

Business Line Transportation

Business Group Design and Consulting Services Group (DCS)

Country Australia

Position Status Full Time

Requisition/Vacancy No. 249959BR

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.