Sydney WATER

Job Profile

Senior Structural Engineer

Group: Water and Environment Services

Job Summary

To be completed by People and Culture team			
Job Family	Engineering	**Career Stage**	TBC
Job Function	Generalist engineering	**Career Stream**	Professional
Coverage EA = Enterprise Agreement ICE = Individual Contract of Employment	ICE	**Last Modified Date**	29/11/2022
To be completed by Manager ~ (Team Size relates to People Leadership)			
Work Environment	Hybrid	**Team Size**	
People Leader	No	**Indirect Team Size**	

Who we are.

At Sydney Water, we exist for our customers. We're more than 3,500 people working together, striving to do more and be better—better for the environment, our customers, our people, and our water. Our people are passionate about working together, and driving agility, accountability, innovation, sustainability, and exceptional customer experiences.

Sydney Water is the main provider of water, wastewater, recycled water, and stormwater services in Greater Sydney. Our employees are dedicated to our customers, ensuring services are reliable and affordable, we are proactive and easy to engage with, forward-thinking, and environmentally focused.

Working with us means helping to provide essential services, safeguarding Sydney's future with a sustainable water supply, and protecting our iconic waterways. Our strategy guides our journey to enhance customer outcomes and continue delivering robust services to our city into the future.

Job Purpose

The role of the Senior Structural Engineer is to provide technical expertise, advice and engineering leadership to the corporation to optimise asset lifecycle to deliver services that meet customer expectations. The Senior Structural Engineer will support in design review, produce and update standards, implementing the Engineering Assurance framework, product evaluation and technical support as required. Drive innovation, particularly in digital and sustainable infrastructure approaches, where appropriate and consistent with Sydney Water's corporate strategy.

Accountabilities

Job Specific	• Identification, creation and active management of technical specifications, standards and guidelines related to Structural engineering. • Development and implementation of appropriate technical management systems. • Provide SME and risk management advice for structural engineering. This can be business, project or operational or maintenance related technical enquiries. • Evaluating innovation in Structural Engineering aspects, and maintaining oversight and processing deviation requests to relevant technical guidelines, standards and specifications. • Provide clear and concise recommendations to inform technical risks, and guidance in resolving elements related to Structural Engineering. • Mentor and provide guidance to junior engineers, project engineers and others in developing designs, considering whole of lifecycle of assets • Undertake engineering design as a part of a multidisciplinary team. • Provide specialist input to the definition of information, insights, data, systems, models and tools required for engineering and facilitate the exchange of knowledge and information. • Represent Sydney Water in wider industry bodies. • Promote the value of engineering within corporation and broader industry. • Practice within relevant engineering competency. • Influence key stakeholders to innovate and improve engineering solutions. • Support less experienced engineers to achieve goals by providing guidance and quality assurance and monitoring workflow. • Supervise and technically develop engineers in junior levels; build team planning capacity through coaching, performance feedback; and encouraging career development. • Understand and deliver on safety and wellness accountabilities. This includes initiatives across the division. • Role model Sydney Water values and behaviours and participate in a constructive and supporting working environment • Provide input to prioritisation of activities for the specialist structural engineering team, and towards daily task allocation. • Carry out duties in accordance with Sydney Water Safe work policies and guidelines at all times.

Role Requirements

Education / Qualifications

Required	• Bachelor of Engineering degree in Civil or structural discipline, that is recognised under the Washington Accord or Engineers Australia, with relevant experience in Structural Engineering.
Desired	•

Certifications / Licences

Required	• A drivers license (C class).
Desired	•

Experience

Required	• A minimum of eight (8) years of relevant experience in structural design, with at least 3 years in a senior role. • Demonstrated technical expertise in structural design of water retaining structures • Knowledge of design and construction practices associated with water infrastructure • Highly developed interpersonal skills, communication and technical report writing skills • Application of Quality Assurance Systems • Ability to investigate and challenge Sydney Water standards, Australian and international standards, and industry practise to ensure that the organisation can innovative solutions. • Exposure in working in a multi-disciplinary design team.
Desired	•

Sydney WATER

Capabilities and Skills

The capability and skill requirements for this role are identified in the skills profile listed below. This is comprised of Enterprise Capabilities, that are essential for all roles and functional skills, which are specific to each role.

Enterprise Capabilities	
Capability	**Descriptor**
Accountability	Ensures that own actions and those of others are focused on achieving goals and owning the outcome, in a safe, inclusive collaborative way.
Agility	Adapts readily to change and encourages alternative views by using a range of interpersonal communication skills. Develops and coach's others while being aware of impact on others.
Innovation	Develops innovative outcomes to solve problems in ways that are not immediately evident and encourages new ideas and thinking in others.

Functional Skills			
Skill	**Priority**	**Essential or Desirable**	**Proficiency level**
Structural Engineering	1	Essential	Advanced
Results Focused	2	Essential	Intermediate
Troubleshooting (Problem Solving)	3	Essential	Advanced
Technical Writing	4	Essential	Advanced
Risk Management	5	Essential	Intermediate
Business Acumen	6	Essential	Intermediate
Engineering Design Process	7	Desirable	Advanced
Organizational Skills	8	Desirable	Intermediate
Project Scoping	9	Desirable	Intermediate
Workshop Facilitation	10	Desirable	Intermediate

Proficiency Level Descriptors

Developing - Building practical experience, needs continued coaching.

Intermediate - Independent execution, minimal guidance**.**

Advanced - Fully independent execution, coaches' others.

Mastery - Strategic, sought as expert internally and externally.

Additional notes

Sydney Water takes the safe provision of its services to the public and the protection of its information assets extremely seriously. As a Sydney Water employee, you are required to understand your obligations under the Acceptable Use of Information Technology Policy and how Sydney Water's Information Technology is to be used. You must also help keep your workplace secure by ensuring you do not enable non-authorised people access to sites, maintain the integrity of locked entries and exits, and where appropriate, alarms being engaged.

Sydney Water requires all users to embrace and adhere to all enterprise and protective security policies, awareness programs and frameworks for Sydney Water assets.