

# Position Description

## Civil Assets Specialist



**Business Unit: Assets**

**Reporting to: Asset Engineering Manager**

### Position Purpose

To develop and maintain civil asset knowledge relevant to WNSW core asset capabilities and apply it in providing advice, developing standards, reviewing performance and supporting the maintenance, upgrade renewal and provision of new asset capability and to put safety first.

### Key Accountabilities

1. **Safety:** ensure all activities are undertaken with the safety of our people as the number one priority and always role model safe behaviour.
2. **Values:** behave and make decisions in accordance with the WaterNSW Values at all times.
3. Ensure all activities are undertaken with the safety of people as the number one priority and at all times role model safe behaviour.
4. Develop and maintain Asset Performance and Configuration standards that describe WNSW's specific performance requirements and selection and implementation criteria to deliver required levels of service at the lowest whole of life cycle cost.
5. Develop operational performance testing processes to validate core asset capability within area of engineering discipline and attend high criticality asset performance tests to witness validation of key asset performance capabilities, contribute advice regarding compliance and recommend further works.
6. Develop a detailed and thorough knowledge of core asset classes within area of discipline and ensure relevant documentary resources such as manuals and drawings are updated accordingly.
7. Manage, specify, and execute small-scale through to large-scale engineering investigations including the completion of all aspects of the Engineering design effort (i.e. design calculations, drawings, computer modelling, specifications, design reports and technical review and inspection of works).

8. Utilise detailed asset knowledge, performance and configuration standards to advise on provision of new assets, major maintenance activities, failure investigations, reliability reviews and rectification, and upgrade or renewal proposals.

### Key Challenges

- Consolidating existing asset knowledge resources and creating new resources where required, filling gaps, updating legacy documentation, maintaining their ongoing currency and developing a standardised approach across a diverse asset base implemented over a broad geographic footprint.
- Managing and delivering a diverse and large workload, often with competing demands and limited resources.
- Establishing productive and commercially viable relationships with external service providers to extend and complement WNSW's technical expertise within the civil engineering discipline

### Significant Internal Relationships

Stakeholder	Purpose of Relationship
Project Engineers, Maintenance Engineers, Asset Planners, Reliability engineers	Provision of advice, technical standards, specifications and maintenance requirements

### Significant External Relationships

Stakeholder	Purpose of Relationship
Engineering consultants	Manage provision of external advice

### Delegations, Financial Accountabilities & Freedom to Act

As defined in the WaterNSW Financial Delegations as varied from time to time.

### WaterNSW Leadership & Performance Competencies

People	Level	
Communicating with Influence	A	<ul style="list-style-type: none"> <li>• Uses information, facts and figures to explain an idea or concept</li> </ul>

		<ul style="list-style-type: none"> <li>• Presents information in a clear and structured manner, both verbally and in writing, to ensure a positive response from the audience</li> </ul>
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Customer	Level	
Collaboration & Engagement with Customers & Stakeholders	B	<ul style="list-style-type: none"> <li>• Builds and maintains relationships with individuals from other work groups to accomplish shared goals</li> <li>• Adapts approach to meet the needs of a broad range of customers and stakeholders</li> </ul>
Partnering & Advise	B	<ul style="list-style-type: none"> <li>• Engages in a productive dialogue with the customer to consultatively identify a solution</li> <li>• Provides credible advice for customers based on an understanding of the underlying issue</li> <li>• Knows when to draw on additional resources to provide appropriate</li> </ul>

		support and advice for customers
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Business	Level	
Safety & Risk Management	B	<ul style="list-style-type: none"> <li>• Implements and monitors policies, procedures and programs.</li> <li>• Role models safety behaviour</li> <li>• Takes immediate and appropriate action to minimise risk</li> <li>• Considers safety and risk in all business decisions</li> </ul>
Analysis & Problem Solving	C	<ul style="list-style-type: none"> <li>• Takes a broad view when analysing complex and ambiguous situations</li> <li>• Recognises patterns and draws linkages between data and/or situations</li> <li>• Develops long term solutions that address the root cause of problems and prevent recurrences</li> <li>• Selects and uses problem solving tools</li> </ul>

		<p>appropriate to the problem and the context</p> <ul style="list-style-type: none"> <li>Evaluates the effectiveness of implemented solutions</li> </ul>
Planning & Delivering results	B	<ul style="list-style-type: none"> <li>Manages expectations and accepts accountability for deadlines, budget and outcomes</li> <li>Delivers consistently to plans and focuses on the achievement of results despite obstacles</li> <li>Implements quality assurance practices to ensure projects and activities are delivered to required standards.</li> <li>Initiates action without prompting</li> </ul>

### Mandatory Candidate Requirements

#### Qualifications:

- Bachelor degree in Civil Engineering or higher form of tertiary institution
- Current NSW driver's licence

#### Knowledge:

- Knowledge of civil and structural assets relevant to WNSW core asset base such as dams, water regulating structures, bridges, roads, canals, embankments, buildings and cranes
- Applied detailed knowledge of relevant Australian and International codes and standards, good engineering practice and the applicable statutory requirements
- Excellent general computer literacy skills as well as specialist knowledge of discipline based applications and software

#### Experience:

- Minimum 5 years' experience in design, construction or maintenance in heavy industrial engineering or utility environments and exposure to asset management of civil and structural assets or asset attributes relevant to WNSW's asset fleet
- Demonstrated experience building and maintaining relationships with individuals from other work groups working through potentially conflicting needs and objectives to accomplish shared goals and obtain agreement on actions and outcomes
- Experience in sourcing and using additional information to effectively diagnose problems and determine suitable solutions by recognising patterns and drawing linkages between data and/or situations and addressing the root cause of problems to prevent recurrences

### **Favourable Candidate Requirements**

- Experience with and knowledge pertaining to civil and structural aspects of dams, spillway gates and irrigation regulating mechanisms
- Recent experience in the development and implementation of maintenance standards for bridges and roads
- Strong commercial acumen to identify benefits, opportunities and trade-offs to be made when formulating and executing business cases, project plans and contract negotiations

### **Pre-Employment Checks Required**

- Identification
- Qualifications
- Drivers Licence
- Pre-employment Medical
- Police Check