



Senior Marine & Ports Engineer

Branch: Marine and Ports Infrastructure

Directorate: Westport Office

Position Number: 00027629

Classification: Specified Callings Level 4

Physical location: Perth (Murray Street)

Award/Agreement: Public Service Award & Public Sector CSA Agreement 2024

A world-class container port and trade network, built with nature in mind, that unlocks Western Australia’s future economic prosperity

Westport is the State Government’s planning program to resolve future supply chain constraints in Western Australia by moving container trade from Fremantle to Kwinana. The proposed design encompasses marine infrastructure and a freight network, including road, rail and logistics alongside optimized policy, commercial frameworks, governance and technology to ensure the best supply chain system design for the future of Western Australia.

This is a once in a century infrastructure project with ambitious goals to deliver lasting economic, social and environmental benefits for Western Australia and the nation. It is a once in a career opportunity to work on such a diverse, complex and important project.

Westport engages closely with industry, community stakeholders, and experts in engineering, marine science, sustainability, and transport. The Westport Office, within the Department of Transport, spearheads this transformative initiative for Western Australia. It represents a forward-looking, multi-disciplinary workforce dedicated to delivering lasting benefits for the region and planning for the next century of trade growth in Western Australia.

To find out more about the Westport program, visit: www.westport.wa.gov.au

Westport values



Collaboration

Working together with our team, across government and with our stakeholders.



Outcomes Focused

Good planning with well defined outcomes, seeking innovative solutions.



Clarity

Clear processes and communications, planned and proactive activities.



Overview of the Directorate

Westport is the State Government's planning program to resolve future supply chain constraints in Western Australia by moving container trade from Fremantle to Kwinana. This includes planning a new port, and the connected freight road, rail, and logistics operations.

A preferred design for WA's future container supply chain has been identified, which includes a new port in Kwinana supported by an upgraded road and rail freight network and logistics hub. The Business Case (Stage 3) was completed in 2024, and the Westport Program is planning now to ensure an orderly transition to the next stage of work, Definition and Delivery (Stage 4), which is expected to last from 2024 to the late 2030s. Stage 4 will involve the detailed design, procurement, construction and transition toward the proposed container supply chain design.

Westport are working with industry and the community, along with leading experts in engineering, marine science, sustainability, and transport, to define and deliver on the design for the new port.

The Westport Office was created to deliver on this exciting program for WA, which is a multi-disciplinary, contemporary and future-ready workforce governed by a cross-agency Steering Committee.

Westport is in an exciting phase, growing a values-based and outcomes-focused cross government team to deliver on this once-in-a-lifetime opportunity.

Overall purpose of the role

The Senior Marine & Ports Engineer provides technical support and engineering assurance during definition and delivery stages of the Westport Program. They undertake efficient, timely and cost-effective project management of small to large and complex maritime related projects.

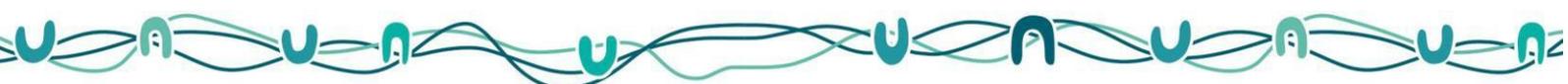
Work description

1. Engineering and Contract Management

- Prepare detailed engineering technical specifications and briefs for the procurement of consultants and works contractors in accordance with the Westport Master Program Management Plan.
- Contribute to the evaluation of tenders and negotiations for the procurement of consultants and works contractors.
- Manage and carry out the review and acceptance of contract deliverables (such as designs, calculations, technical drawings and 3D models) as compliant with industry standards, safety and quality systems and in adherence to project objectives.
- Manage and report on both consultancy and engineering works contracts to ensure they are completed to approved scope, budget, time, quality and safety requirements.
- Contribute to and drive continuous improvement of engineering management processes and systems.
- Act as Westport's Representative for contracts (consultancy, works or supply).

2. Project Management

- Support collaborative and across-government projects and consultancy contracts for the development, definition and delivery of the Westport Program.
- Provide extensive engineering, project management and leadership expertise for all relevant activities to ensure successful delivery of projects within scope, time, quality and cost constraints.



- Manage the scoping, project development, design, delivery and close out of projects in accordance with the Westport Master Program Management Plan.
- Develop and maintain relevant project management documentation.
- Lead stakeholder engagement with staff, relevant authorities, consultants and contractors to ensure projects are delivered successfully.
- Lead small to medium sized projects as Westport's Representative including resourcing and performance management within multi-disciplinary project teams.
- Contribute to and drive continuous improvement of project management processes and systems.

Other

- Undertakes other duties as required.



Work related requirements

The following criteria are to be applied within the context of this position, which includes alignment to Westport's values.

Criteria:

Essential:

1. A degree in civil, structural or coastal engineering and eligibility for membership of Engineers Australia.
2. Extensive knowledge and experience in marine structural design (wharves, jetties etc.), and experience in maritime and coastal engineering (mooring analysis, dredging, breakwaters, etc.), with demonstrated capability delivering designs in accordance with Australian Standards, PIANC and maritime guidelines.
3. Highly developed engineering design management skills and experience across the full project lifecycle.
4. Highly developed interpersonal and networking skills with the ability to build and maintain positive working relationships with a wide range of stakeholders.
5. Ability to lead and manage project team members as part of a larger multi-disciplinary project team.

Desirable:

1. Demonstrated knowledge and experience in the project management of civil and/or maritime related infrastructure projects.
2. Demonstrated knowledge and experience in procurement and construction management of engineering works contract.



Reporting relationships

Principal Project Director, Marine and Port Infrastructure – Band 3, 3 FTE



Program Delivery Manager, Marine & Ports – Level 8, 10 FTE



Principal Project Engineer – SCL5, 3 FTE



This position



NIL

Allowances/special conditions

- A current national police clearance certificate incorporating criminal and traffic convictions and infringements is required for this position.

Certification

The details contained in this document are an accurate statement of the duties, responsibilities, and other requirements of the position.

**Executive Director
People and Culture**

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