

Senior Stormwater and Hydrology Engineer (PO3)



Government
of South Australia
Department for Infrastructure
and Transport

Role Statement

Organisational alignment	Division:	Transport Strategy and Planning Division
	Directorate:	Planning and Technical Services
	Section:	Engineering Services
Reporting relationships	Reports to:	Lead Engineer, Road Design
	Direct reports:	NIL

Role overview

The Department for Infrastructure and Transport delivers expert planning policy, efficient transport systems, and valuable social and economic infrastructure to the South Australian community, enhancing the lifestyles of South Australians every day.

The Senior Stormwater and Hydrology Engineer provides hydrology and stormwater management advice and services, with specialised expertise in water quality and flood management, to support the Department and the State Government. In this role, you provide professional advice across investigations, design, analysis, governance and broader hydrology and stormwater matters, ensuring all work complies with relevant standards. You contribute advice during the planning stages of new infrastructure projects as well as the ongoing maintenance of existing assets, ensuring that projects, plans and design practices meet departmental technical standards and safety requirements.

The position also involves undertaking research, analysis and the preparation of technical documents, correspondence and reports, including clear recommendations. You contribute to the continuous review and maintenance of the technical adequacy, currency, relevance and integrity of discipline-related departmental standards and guidelines. In addition, you engage effectively with both internal and external stakeholders to support and advance key departmental objectives.

Further information about the Department can be found at: <https://www.dit.sa.gov.au/about-us>

Our values

We pride ourselves on applying these values to our day-to-day interactions and individual performance. They shape our approach to achieving our strategic agenda.



Collaboration

We work together as one team to serve our customers.



Honesty

We are honest, open and act with integrity.



Excellence

We commit to excellence in everything we do.



Enjoyment

We enjoy our work and recognise our success.



Respect

We respect, understand and value the people we serve.

Key outcomes required of the role

- Provide a range of technical and professional advice and services to support the Directorate and

Departmental projects, priorities and objectives, ensuring technical standards and safety requirements.

- Undertake research, analysis and preparation of technical documents, reports and correspondence including recommendations for informed decision-making.
- Identify and analyse existing drainage issues within the Department's infrastructure. Contribute to innovative solutions and create concept sketches to illustrate proposed improvements, supporting effective resolution of issues.
- Contribute to the development, review and maintenance of Departmental standards, guidelines and master specifications, ensuring technical adequacy, relevance and integrity.
- Perform hydrological modelling and analysis of drainage issues to inform the design solutions for culvert, bridges, stormwater systems, mitigating flood risks and supporting innovative improvements.
- Review and assess engineering designs, plans, and project specifications, including stormwater management plans and drainage requirements for new and existing infrastructure.
- Participate in the evaluation of tenders for major projects, providing technical insights and assessments. Contribute to technical panel assessments to ensure that project proposals meet the Department's standards and requirements.
- Engage and collaborate with industry bodies, government agencies and stakeholders to support key Departmental objectives and implement innovative business models that achieve efficiencies.
- Contribute to a safe, diverse and healthy work environment free from discrimination and harassment by working in accordance with the department's Values, legislative requirements, the Code of Ethics for the South Australian Public Sector, equal employment opportunity and departmental human resource policies, including Work Health Safety and Wellbeing requirements.

Special conditions attached to the role

- A National Police Check (NPC) is required prior to employment in the Department for Infrastructure and Transport which must be renewed every three years.
- Some out of hours and weekend work may be required.
- Some intra / interstate travel may be required.

Educational qualifications / licenses

- Degree in Engineering providing eligibility for graduate membership as a Professional Engineer of the Institution of Engineers, Australia is essential.

Technical capabilities

- Experience in conducting reviews and providing expert feedback on stormwater and hydrology designs to ensure compliance with relevant standards and best practices.
- Demonstrated ability to assess stormwater and hydrology requirements and offer advice that aligns with Departmental and industry standards.
- Proficiency in drainage analysis and design software such as TUFLOW, DRAINS or 12d drainage

Person capabilities

[Our Capability Framework](#) describes the core capabilities, behaviours and skills required for us to meet our strategic objectives and be a modern public sector, attracting, developing and retaining the best talent. The framework is constructed around five categories of capability; personal attributes; building relationships; achieving results; leadership and growth; and performance enablers.

Refer to our framework for the detailed capabilities required for this stream. This role is classified as:

Stream 2: Leader

Stream 2 roles would typically consist of supervisors and senior team members, including those with technical knowledge (indicative classifications include ASO4-6, PO2-3, OPS4-7, TGO2-5, M3-7, WPA2, WBT7-10).

Key selection criteria

The criteria outlined below are drawn from the most significant requirements of the person capabilities (from Our Capability Framework) and technical capability, professional knowledge and experience to be addressed in your application having consideration of the role overview and key outcomes.

- Well-developed analytical and research skills to evaluate and analyse complex faults and information, provide specialised professional advice and consultancy, and develop clear reports with recommendations in an environment of competing priorities. .
- Significant experience in the development, evaluation, implementation and improvement of complex, innovative and/or crucial professional duties and where required, managing programs, resources and employee performance and development.
- Works collaboratively to build cooperation, implement change, mitigate risk and encourage open communications for the sharing of knowledge across teams/units
- Proven ability to work under general direction, independently or as part of a team, exercise significant initiative, set priorities, plan and coordinate activities, achieve objectives within deadlines and make timely and well-informed professional decisions.
- Demonstrated ability to communicate effectively, succinctly and accurately, in writing and verbally, to people at all levels in a professional and tactful manner including successfully negotiate and resolve conflict with employee and stakeholders.
- Shows respect for diverse backgrounds, experiences and perspectives including that of Aboriginal and Torres Strait Islander people. Values diversity of thought.
- Shows genuine care for the safety and wellbeing of self and others.

Approved

Signature: KNet #24699426

Date: 22/05/2026_____

A/Director, Planning and Technical Services

People, Culture and Capability Use Only	KNet ID: 22408214	ANZSCO code: 2332	Position number: P27983
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