



Government  
of South Australia

Department for Infrastructure  
and Transport

# Asset Analyst (PO2)

## Role statement

### Organisational alignment

Division: Transport Strategy and Planning  
Directorate: Transport Analytics  
Section: Asset Insights

### Reporting relationships

Reports to: Manager, Asset Insights  
Direct reports: Nil

## Role overview

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

The Transport Analytics Directorate enables efficient and effective decision making by creating and embedding products that transform how data is managed and used. We lead department analytics capability and partner with customers to deliver analytics solutions and insights.

The Asset Analyst is accountable to the Manager Asset Insights in providing support for the establishment and integration of best practices in road pavement asset modelling and asset data management. The position is to assist Transport and Asset Strategy and Road Maintenance teams for evidence-based decision making, and to develop and implement customer focused data products and services.

The incumbent will contribute to the improvement and transformation of existing asset management systems, the development of new asset models, implementation of data collection and management strategies and processes.

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

- Build, manage and maintain asset information datasets and associated metadata, including extracting and validating data from relevant data warehouses, to provide high-quality insights that support asset maintenance and management decision-making.
- Identify and assess asset maintenance and management needs of customers and stakeholders by engaging and maintaining effective working relationships.
- Analyse current asset models and develop new models that better meet business and customer needs, by applying analytical techniques and using established modelling tools.
- Coordinate and assist with the preparation and analysis of current and future modelling outputs.
- Undertake complex activities and communicate complex asset information to Data Scientists and Data Engineers within the department to build solution focused data architecture.
- Research current and relevant infrastructure asset standards to make necessary updates and improvements to asset model datasets.
- Contribute to the continuous improvement of the Directorate's data and analytics capability by participating in business planning, taking leadership of initiatives and supporting the implementation of a DataOps such as Agile, DevOps and Lean/SPC.
- Contribute to a safe, diverse and healthy work environment free from discrimination and harassment by working in accordance with our 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 (Civil Engineering preferred) providing eligibility for graduate membership as a Professional Engineer with Engineers Australia is required.
- Experience in Asset Management would be highly desirable.
- A current Driver's Licence is essential.

## Technical capabilities

- Ability to read and interpret engineering drawings.
- Demonstrated Structured Query Language (SQL) or other data Extract, Transform, Load (ETL) skills would be beneficial.
- Experience in Geographic Information System (GIS) would be beneficial.
- Demonstrated knowledge of asset data and generating insights through data exploration.

## 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.

- Sound knowledge of the asset analyst discipline and the issues, risks, trends, and directions about asset management and asset maintenance planning.
- Strong data analysis skills and exposure to varied databases.
- Sound analytical and research skills to evaluate complex information, provide discipline advice and consultancy, and develop clear and timely reports with recommendations for time critical deadlines.
- Demonstrated ability to communicate effectively and accurately, in writing and verbally, in a professional and tactful manner.
- Proven ability to learn new concepts and adapt to challenges with unknown domains.
- Proven ability to work under reduced professional direction, independently or as part of a team, identify performance outcomes, plan and coordinate activities, set priorities, achieve objectives within deadlines and make timely and well-informed decisions.
- 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: \_\_\_\_\_ Date: \_\_\_\_\_

Executive Director, Transport, Strategy and Planning

People, Culture and  
Capability Use Only

KNet ID: #24514549

ANZSCO code: 233

Position number: P40644