

Roads

Description

The Road centreline network encompasses all public and private access roads within South Australia and represents a navigable road network.

Information Stored

Road name
Road type
Type suffix
Name prefix
Width
Source
Class
Surface
Lanes
Route number
Status

Access

Digital data is supplied to clients on request subject to the conditions and charges defined in associated data use agreements.

Digital data is available in many formats including DGN, ARC, MapInfo, DXF & DWG.

Maintenance

Public roads are generally opened or closed by survey and the details documented in plans deposited in the Land Services Group, Department of Administrative and Information Services (DAIS). Road information shown on these plans is captured within 2 weeks of receipt of the relevant plan.

The authority to assign or change road names is vested in Local Government under the Local Government Act 1999. Advice received from both Local Government and the SA Government Gazette is processed.

Topographic and private road data gathered as a result of ongoing update programs and map revision processes is also added to the dataset.

Lineage

The Roads dataset integrates DEH's cadastral and topographic data into a single enhanced navigable road network. In general, it has been built upon a DCDB centreline spatial framework with topographical data attribution and additional real world alignments.

The integration was completed in 2004 and followed stringent comparisons of both the cadastral and topographic data to ensure business requirements were satisfied. Approx 98% of the former cadastral

alignment was retained.

The source cadastral road centrelines were captured between 1989 and 1997 and referenced to the Digital Cadastral Database (DCDB). The source topographic road centrelines were acquired over many years by photogrammetry as part of the topographic dataset used for map production purposes.

Positional Accuracy

The positional accuracy of the Road centreline network in rural areas generally reflects a 1:50,000 scale view of the real world roads (the source topographic data was generally captured in accordance with 1:50,000 mapping standards). In urban areas the spatial accuracy is generally much greater, in the order of +/- 0.5 metre. Where the positional accuracy of the DCDB has been improved to survey accuracy, the road centrelines have also been adjusted to suit.

New road centrelines are captured by reference to the DCDB and appropriate available ortho-rectified aerial photography.

Attribute Accuracy

Road centreline segments are stored as vertices, which enables the single storage of attributes between the start and end nodes.

Road centreline attributes are estimated to be in excess of 90% accurate.

Road names in the rural areas of South Australia have been verified in conjunction with Local Government.

Related Products

PlaceNames Online – For the origin of road names over the Internet.

Property Assist – Provides land ownership and valuation information over the Internet and includes a locality map showing road names.

PIERS – Displays scanned images of various plans and documents, showing road names.

Refer to the Land Services Group, DAIS for access to these products: www.landservices.sa.gov.au

Environmental Information, Department for Environment and Heritage
Level 1, 100 Pirie Street, Adelaide, SA 5000
GPO Box 1047, Adelaide, SA 5001

Information/data errors
Telephone: 08 8463 3936
E-mail: barry.green@state.sa.gov.au

Information/data access
Telephone: 08 8463 3859
E-mail: lou.panico@state.sa.gov.au