

Springvale Traffic Intelligence Profile

SCATS-based vehicle movement profile generated from the Melbourne SCATS Intelligence Platform. Historical signalised-intersection movement analysis covering 2014–2026.

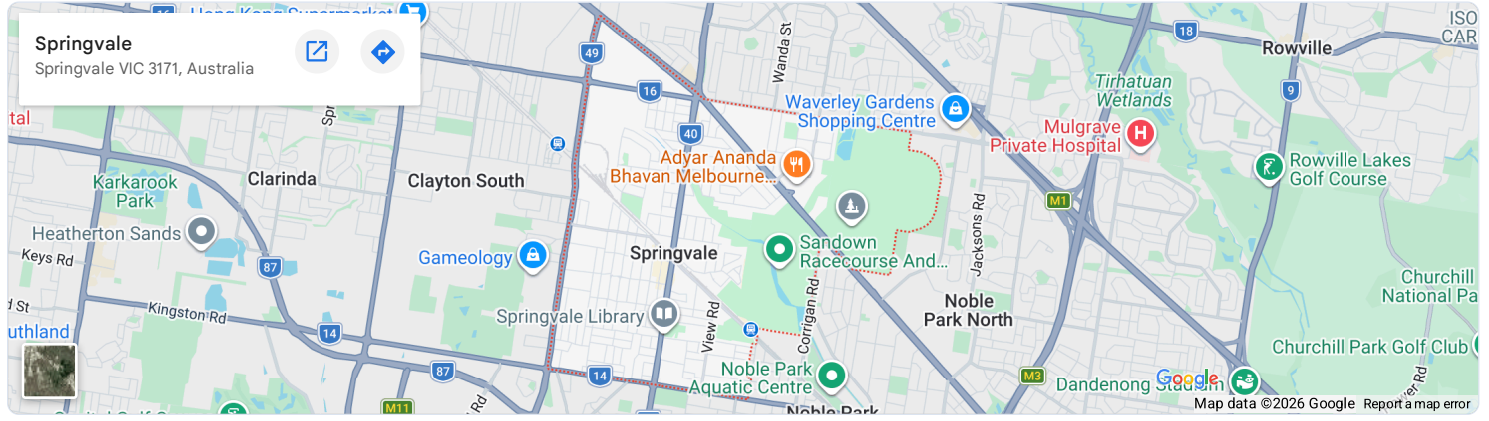
Generated: 20 May 2026 Suburb rank: #21 SCATS sites: 28 Postcode(s): 3171



I'm your local mate with a few trailers right next to The West Gate Freeway!

Suburb Map

This map provides geographic context for the suburb profile and the surrounding road network. For individual SCATS sensor locations, use the map links in the Top SCATS Sites and Sensor Inventory tables.



Executive Snapshot

Springvale contains 28 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 4,150,689 vehicle movements, or approximately 4,150.7M.

The busiest mapped SCATS location in Springvale is Princes Highway East / SPRINGVALE, with 323,703,233 recorded movements across the historical period.

4,150.7M
Total mapped vehicle movements

28
Mapped SCATS sites

#21
Melbourne suburb movement rank

148,238,913
Average movements per site

Interpretation: This profile should be read as a suburb-level movement exposure report based on mapped SCATS sensor locations. It is useful for local traffic reporting, OOH exposure review, planning discussion, business-location context and public-interest transport analysis.

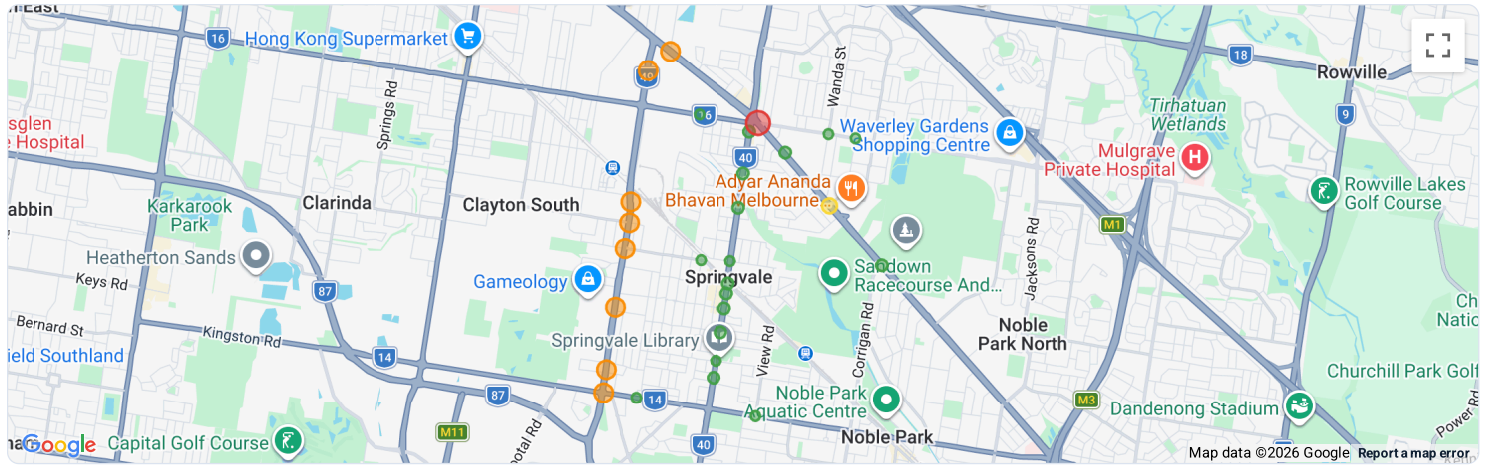
Top SCATS Sites in Springvale

#	SCATS ID	Location	Total movements	Millions	Rank
1	185	Princes Highway East / SPRINGVALE PHE/SPRINGVALE	323,703,233	323.7M	143
2	4702	Westall / Fairbank WESTALL/FAIRBANK	237,505,318	237.5M	430
3	962	Westall / Rosebank WESTALL/ROSEBANK	226,524,685	226.5M	498
4	932	Heatherton / Westall HEATHERTON/WESTALL	221,549,322	221.5M	532
5	936	Westall / Osborne WESTALL/OSBORNE	211,304,992	211.3M	609
6	1196	PRINCES Highway E / GARDEN / IKEA ACCESS PRINCES HWY E/GARDEN/IKEA ACCESS	209,070,147	209.1M	626
7	941	WESTALL near LIBBETT WESTALL NR LIBBETT	204,447,851	204.4M	676
8	4704	WESTALL near HAYDEN WESTALL NR HAYDEN	199,340,167	199.3M	729
9	1195	Westall / Ikea Access WESTALL/IKEA ACCESS	184,601,322	184.6M	877
10	290	Princes Highway East / SMITH PHE/SMITH	183,306,146	183.3M	886

Note: SCATS locations are assigned to suburbs using the latitude/longitude of each site. Boundary roads may influence nearby suburbs even when assigned to one suburb for repeatable reporting.

SCATS Sensor Map

This map shows the location of each mapped SCATS sensor associated with **Springvale**. Circle colours match the main full-network SCATS map. Click any circle to view the site name, movement total and a direct Google Maps link.



Traffic intensity circles

- Red — Top 5% busiest Melbourne-wide
- Orange — Top 20% busiest Melbourne-wide
- Yellow — Middle-volume Melbourne-wide
- Green — Lower-volume mapped site

Circle colours are based on each SCATS site's Melbourne-wide rank across the cleaned archive, not just its rank within this suburb. Circle size is scaled lightly by traffic intensity.

Provider: Google Maps circle overlays - Sensors plotted: 28. For PDF export, you will usually get a better result by replacing this live map with a static PNG screenshot.

Local Movement Context

Busiest Local Site

Princes Highway East / SPRINGVALE
323,703,233 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

Springvale ranks **#21** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Springvale
- High
- SPRINGVALE
- Westall
- Princes
- Heatherton
- WESTALL
- Fairbank

OOH and media relevance: Suburbs with concentrated SCATS movement corridors can be useful for billboard exposure review, local traffic journalism, corridor analysis and business-location intelligence.

SCATS Sensor Inventory

SCATS ID	Friendly name	Official name	Total movements
185	Princes Highway East / SPRINGVALE	PRINCES HWY EAST/SPRINGVALE	323,703,233
4702	Westall / Fairbank	WESTALL/FAIRBANK	237,505,318
962	Westall / Rosebank	WESTALL/ROSEBANK	226,524,685
932	Heatherton / Westall	HEATHERTON/WESTALL	221,549,322
936	Westall / Osborne	WESTALL/OSBORNE	211,304,992
1196	PRINCES Highway E / GARDEN / IKEA ACCESS	PRINCES HWY E/GARDEN/IKEAACCESS	209,070,147
941	WESTALL near LIBBETT	WESTALL NR LIBBETT	204,447,851
4704	WESTALL near HAYDEN	WESTALL NR HAYDEN	199,340,167
1195	Westall / Ikea Access	WESTALL/IKEA ACCESS	184,601,322
290	Princes Highway East / SMITH	PRINCES HWY EAST/SMITH	183,306,146
188	Princes Highway East / CORRIGAN	PRINCES HWY EAST/CORRIGAN	179,376,050
435	Springvale / Lightwood	SPRINGVALE/LIGHTWOOD	162,928,337
943	Springvale / Spotlight Centre	SPRINGVALE/SPOTLIGHT CENTRE	157,682,775
287	SPRINGVALE near BALMORAL	SPRINGVALE NR BALMORAL	155,231,154
186	Princes Highway East near REILLY	PRINCES HWY EAST NR REILLY	142,744,105
288	Springvale / Street James	SPRINGVALE/ST JAMES	137,690,971
436	Springvale / Windsor	SPRINGVALE/WINDSOR	123,275,408
434	SPRINGVALE near LUCIAN	SPRINGVALE NR LUCIAN	121,182,734
444	SPRINGVALE near WAREHAM	SPRINGVALE NR WAREHAM	120,725,696
437	SPRINGVALE near ANDREW	SPRINGVALE NR ANDREW	117,478,232
976	Heatherton / View	HEATHERTON/VIEW	99,641,177
947	Heatherton / Springvale Plaza	HEATHERTON/SPRINGVALE PLAZA	93,415,111
285	Police / Wanda / Grace	POLICE/WANDA/GRACE	77,763,679
1937	Springvale Road / Heather Gr / Hillcrest Gr	SPRINGVALE RD/HEATHER GR/HILLCREST GR	73,823,517
937	POLICE near EDINBURGH	POLICE NR EDINBURGH	64,475,707
2361	Springvale Road / Virginia Street / Newcomen Road	SPRINGVALE ROAD / VIRGINIA STREET / NEWCOMEN ROAD	49,286,948
1899	Centre Road / Willow Avenue	Centre Road/ Willow Avenue	43,224,650
3202	OSBORNE near ROYAL	OSBORNE NR ROYAL	29,390,145

Methodology and Platform Context

This suburb profile is one local report generated from the wider **Melbourne SCATS Intelligence** platform. The platform converts more than 12 years of Melbourne traffic signal data into a public-facing transport intelligence layer covering historical movement totals, site rankings, corridor behaviour, suburb profiles, OOH exposure review, and reproducible data-quality evidence.

37,877,000,000 Cleaned 15-minute SCATS observations	539,021,000,000 Total cleaned vehicle movements analysed platform-wide	148/148 Expected months processed in the reporting window	2014–2026 Historical coverage window
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How to read this suburb report: the suburb total shown earlier in this profile is this suburb's portion of the mapped SCATS movement layer. The Melbourne-wide figures above describe the scale of the full platform, not this suburb alone. The suburb profile layer turns the city-wide dataset into **517** suburb/locality reports using **4,427** mapped SCATS sites.

- Input suburb summary: suburb_summary_v1.json
- Input site lookup: scats_site_suburb_lookup_cleaned_v1_4.csv
- Suburb/locality profiles generated: **517**
- Mapped SCATS sites used in the suburb reporting layer: **4,427**
- Movement total represented by the mapped suburb profile layer: **532,181,076,069 movements**
- Time resolution: **15-minute intervals**

Boundary caution: Some SCATS sensors sit on arterial roads, freeway interfaces or suburb boundaries. For repeatable reporting, each sensor is assigned to one suburb based on its coordinate. This makes the profiles reproducible, but nearby suburbs may still be affected by the same corridor.

Open-source project: <https://github.com/clarketowson/melbourne-scats-intelligence>