

# Carlton Traffic Intelligence Profile

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

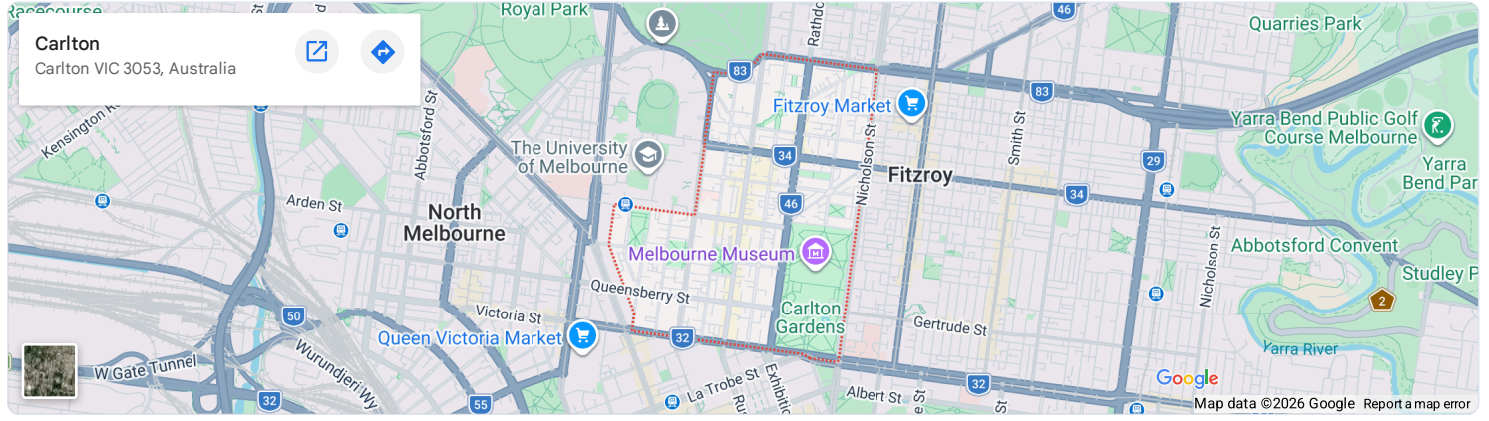
Generated: 20 May 2026   Suburb rank: #13   SCATS sites: 39   Postcode(s): 3052, 3053, 3065



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

Carlton contains 39 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 4,618,683,374 vehicle movements, or approximately 4,618.7M.

The busiest mapped SCATS location in Carlton is PRINCES near CANNING, with 674,498,771 recorded movements across the historical period.

**4,618.7M**  
Total mapped vehicle movements

**39**  
Mapped SCATS sites

**#13**  
Melbourne suburb movement rank

**118,427,778**  
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.

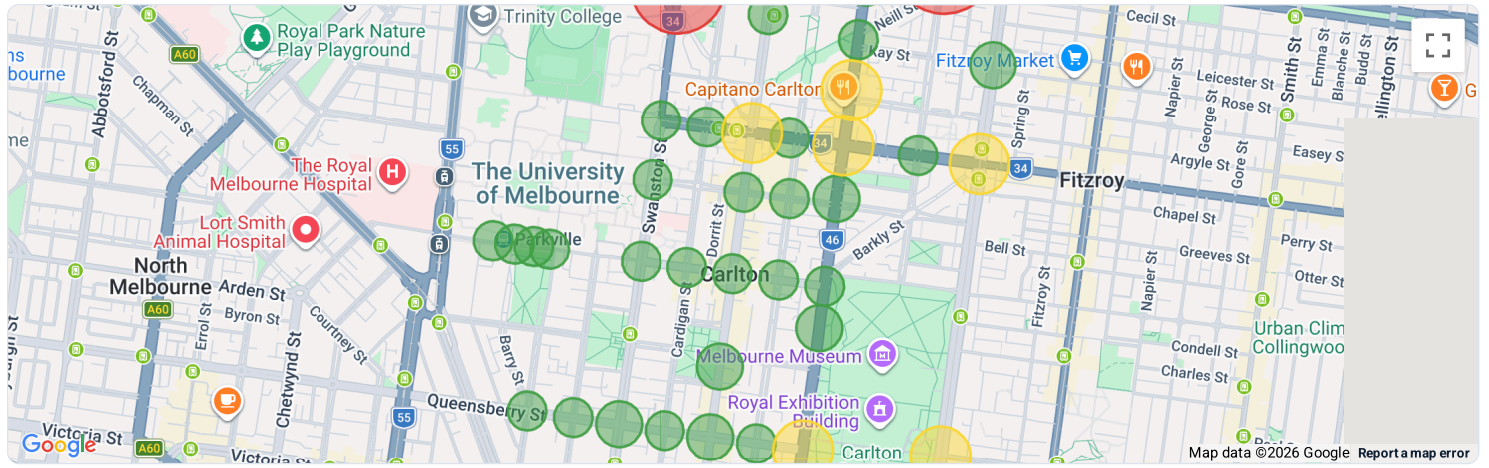
## Top SCATS Sites in Carlton

#	SCATS ID	Location	Total movements	Millions	Rank
1	4415	PRINCES near CANNING PRINCES NR CANNING	674,498,771	674.5M	1
2	4711	Swanston / Cemetery East / College SWANSTON/CEMETERY EAST/COLLEGE	381,289,235	381.3M	63
3	4381	Rathdowne / Princes RATHDOWNE/PRINCES	368,514,266	368.5M	80
4	3450	Nicholson / Elgin / Johnston NICHOLSON/ELGIN/JOHNSTON	178,130,033	178.1M	937
5	4409	Rathdowne / Elgin RATHDOWNE/ELGIN	171,070,604	171.1M	1012
6	4403	Victoria / Cardigan / Franklin VICTORIA/CARDIGAN/FRANKLIN	152,243,125	152.2M	1249
7	4408	Lygon / Elgin LYGON/ELGIN	129,428,610	129.4M	1609
8	4419	Nicholson / Gertrude NICHOLSON/GERTRUDE	128,645,741	128.6M	1625
9	4400	Rathdowne / Queensberry RATHDOWNE/QUEENSBERRY	126,627,993	126.6M	1662
10	4411	RATHDOWNE near PALMERSTON RATHDOWNE NR PALMERSTON	123,767,519	123.8M	1716

**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 **Carlton**. 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: 39. 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 near CANNING**  
 674,498,771 vehicle movements  
[Open busiest site in Google Maps](#)

### Suburb Rank

Carlton ranks **#13** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

### Likely Dominant Corridors

- Grattan
- Elgin
- Queensberry
- Swanston
- RATHDOWNNE
- Rathdownne
- Cardigan
- Lygon

**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
4415	PRINCES near CANNING	PRINCES NR CANNING	674,498,771
4711	Swanston / Cemetery East / College	SWANSTON/CEMETERY EAST/COLLEGE	381,289,235
4381	Rathdownne / Princes	RATHDOWNNE/PRINCES	368,514,266
3450	Nicholson / Elgin / Johnston	NICHOLSON/ELGIN/JOHNSTON	178,130,033
4409	Rathdownne / Elgin	RATHDOWNNE/ELGIN	171,070,604
4403	Victoria / Cardigan / Franklin	VICTORIA/CARDIGAN/FRANKLIN	152,243,125
4408	Lygon / Elgin	LYGON/ELGIN	129,428,610
4419	Nicholson / Gertrude	NICHOLSON/GERTRUDE	128,645,741
4400	Rathdownne / Queensberry	RATHDOWNNE/QUEENSBERRY	126,627,993
4411	RATHDOWNNE near PALMERSTON	RATHDOWNNE NR PALMERSTON	123,767,519
4427	NICHOLSON near KAY	NICHOLSON NR KAY	120,347,941
4418	RATHDOWNNE near PRINCES	RATHDOWNNE NR PRINCES	118,052,174
4416	RATHDOWNNE near PELHAM	RATHDOWNNE NR PELHAM	111,539,543
4390	Swanston / Queensberry	SWANSTON/QUEENSBERRY	111,301,523
4413	LYGON near PELHAM	LYGON NR PELHAM	105,922,730
3406	RATHDOWNNE near FARADAY ST	RATHDOWNNE NR FARADAY ST	102,804,396
4399	Lygon / Queensberry	LYGON/QUEENSBERRY	100,395,563
4396	Grattan / Lygon	GRATTAN/LYGON	98,475,829
4397	Rathdownne / Grattan	RATHDOWNNE/GRATTAN	93,206,053
1037	Queensberry / Leicester	QUEENSBERRY/LEICESTER	88,236,346
4410	Canning / Elgin	CANNING/ELGIN	82,613,270
4407	Lygon / Faraday	LYGON/FARADAY	82,435,202
4391	Grattan / Swanston	GRATTAN/SWANSTON	81,808,787
4393	Swanston / Elgin	SWANSTON/ELGIN	81,413,369
4392	Swanston / Faraday	SWANSTON/FARADAY	80,880,051
4417	RATHDOWNNE near NEILL	RATHDOWNNE NR NEILL	80,701,317
1039	Queensberry / Cardigan	QUEENSBERRY/CARDIGAN	79,675,271
4398	Bouverie / Queensberry	BOUVERIE/QUEENSBERRY	76,642,721
3417	Elgin / Drummond	ELGIN/DRUMMOND	75,697,991
4414	LYGON near LYTTON	LYGON NR LYTTON	72,833,183
3498	Elgin / Cardigan	ELGIN/CARDIGAN	65,317,150
4395	Grattan / Cardigan	GRATTAN/CARDIGAN	57,360,859
1036	Queensberry / Drummond	QUEENSBERRY/DRUMMOND	56,587,355
1029	Grattan / Drummond	GRATTAN/DRUMMOND	49,271,637
1034	Faraday / Drummond	FARADAY/DRUMMOND	39,756,757
4161	GRATTAN near BERKELEY	GRATTAN NR BERKELEY	35,754,050

SCATS ID	Friendly name	Official name	Total movements
4394	Grattan / Melbourne University	GRATTAN/MELBOURNE UNIVERSITY	26,304,059
1948	Grattan Street / Barry Street	GRATTAN ST/BARRY ST	4,581,344
1949	Grattan Street / Leicester Street	GRATTAN ST/LEICESTER ST	4,551,006

## 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

**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>