

West Melbourne Traffic Intelligence Profile

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

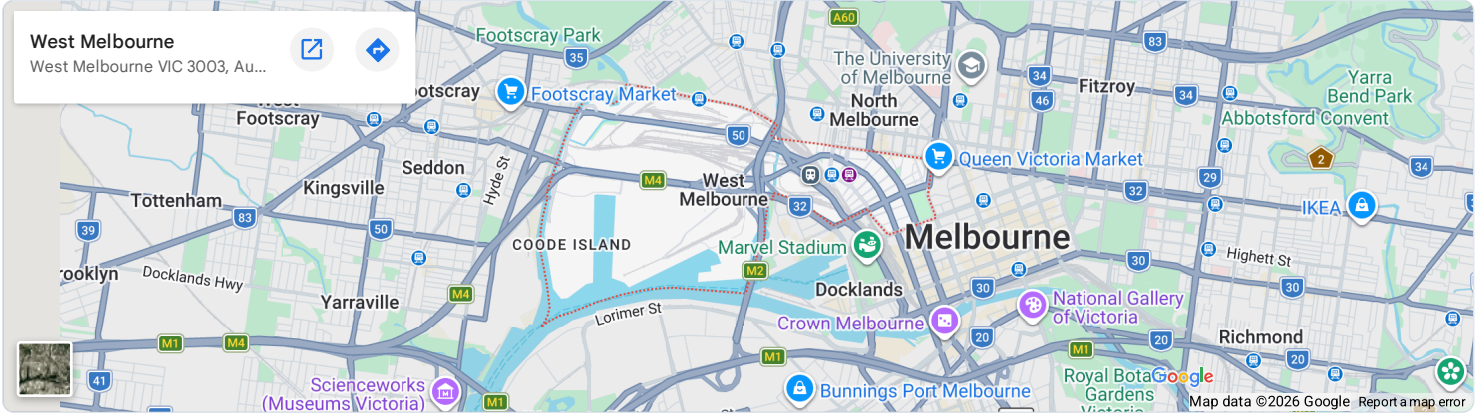
Generated: 20 May 2026 Suburb rank: #25 SCATS sites: 32 Postcode(s): 3003, 3051



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

West Melbourne contains 32 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 3,922,671,355 vehicle movements, or approximately 3,922.7M.

The busiest mapped SCATS location in West Melbourne is King / Dudley, with 237,686,222 recorded movements across the historical period.

3,922.7M
Total mapped vehicle movements

32
Mapped SCATS sites

#25
Melbourne suburb movement rank

122,583,479
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.

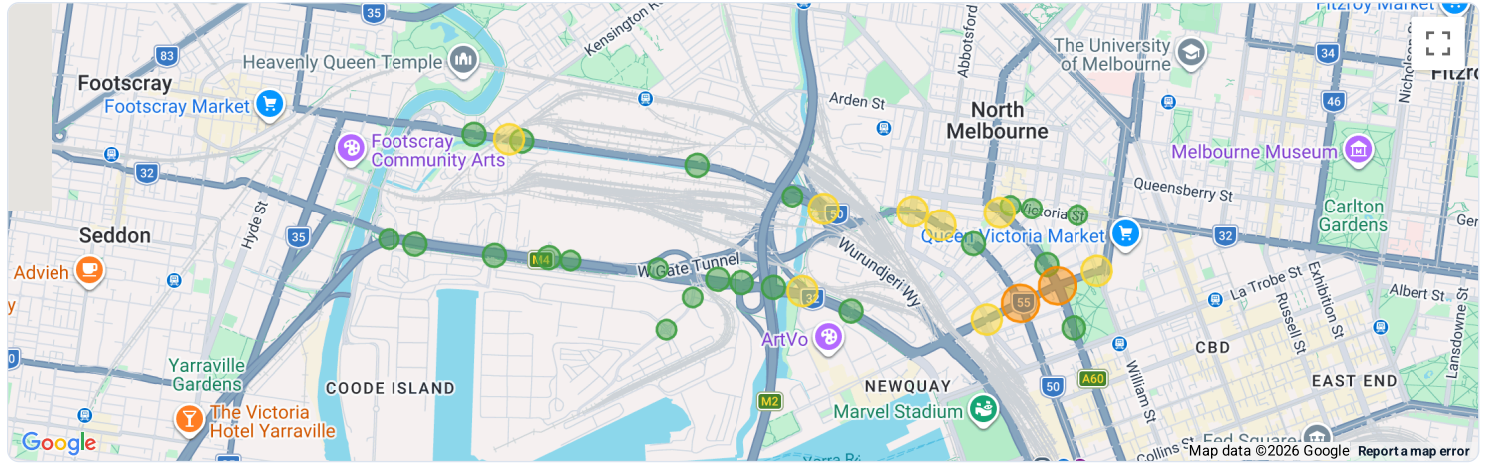
Top SCATS Sites in West Melbourne

#	SCATS ID	Location	Total movements	Millions	Rank
1	4517	King / Dudley KING/DUDLEY	237,686,222	237.7M	429
2	4521	Spencer / Dudley SPENCER/DUDLEY	225,386,990	225.4M	508
3	4519	Spencer / Abbotsford SPENCER/ABBOTSFORD	173,004,490	173.0M	987
4	4524	King / Hawke KING/HAWKE	169,254,086	169.3M	1039
5	1063	DUDLEY near WILLIAM DUDLEY NR WILLIAM	160,036,836	160.0M	1148
6	4518	Dryburgh / Spencer / Miller DRYBURGH/SPENCER/MILLER	157,268,675	157.3M	1179
7	3405	Dynon / Dock Link DYNON/DOCK LINK	155,696,467	155.7M	1199
8	4435	Footscray / Western Link Streeth-Bnd Off Ramp FOOTSCRAY/WESTERN LINK STH-BND OFF RAMP	152,862,917	152.9M	1243
9	4487	Western Link / Dynon Off Ramp South Bd WESTERN LINK/DYNON OFF RAMP SOUTH BD	152,524,249	152.5M	1247
10	4522	Dudley / Adderley DUDLEY/ADDERLEY	151,337,181	151.3M	1271

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 **West Melbourne**. 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: 32. 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

King / Dudley
237,686,222 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

West Melbourne ranks **#25** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- Footscray
- Dynon
- Western Link
- Spencer
- King
- Dudley
- Appleton Dock
- Victoria

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
4517	King / Dudley	KING/DUDLEY	237,686,222
4521	Spencer / Dudley	SPENCER/DUDLEY	225,386,990
4519	Spencer / Abbotsford	SPENCER/ABBOTSFORD	173,004,490
4524	King / Hawke	KING/HAWKE	169,254,086
1063	DUDLEY near WILLIAM	DUDLEY NR WILLIAM	160,036,836
4518	Dryburgh / Spencer / Miller	DRYBURGH/SPENCER/MILLER	157,268,675
3405	Dynon / Dock Link	DYNON/DOCK LINK	155,696,467
4435	Footscray / Western Link Streech-Bnd Off Ramp	FOOTSCRAY/WESTERN LINK STH-BND OFF RAMP	152,862,917
4487	Western Link / Dynon Off Ramp South Bd	WESTERN LINK/DYNON OFF RAMP SOUTH BD	152,524,249
4522	Dudley / Adderley	DUDLEY/ADDERLEY	151,337,181
1744	King Street North of Jeffcott Street	King Street North of Jeffcott Street	150,714,840
4483	Dynon / Lloyd	DYNON/LLOYD	150,644,700
4482	Dynon / Kensington	DYNON/KENSINGTON	146,098,962
4374	Footscray / Appleton Dock	FOOTSCRAY/APPLETON DOCK	145,811,432
4434	Footscray / Waterfront Way	FOOTSCRAY/WATERFRONT WAY	145,764,691
4520	Spencer / Hawke	SPENCER/HAWKE	145,078,313
4436	Footscray / Western Link Nb On & Off Ramp	FOOTSCRAY/WESTERN LINK NB ON & OFF RAMP	130,474,071
4514	King / Rosslyn / Chetwynd	KING/ROSSLYN/CHETWYND	128,639,783
3162	Dynon Road / South Gate Entrance	Dynon Road/South Gate Entrance	128,500,307
4377	Footscray Road / Dock Link Road (Coode)	FOOTSCRAY RD/DOCK LINK RD (COODE)	125,054,378
4458	Footscray / Gate F / Western Link Sb On Ramp	FOOTSCRAY/GATE F/WESTERN LINK SB ON RAMP	119,171,050
3778	Footscray / Market Gate 1.	FOOTSCRAY/MARKET GATE 1.	118,571,094
4378	Footscray / Linfox Access	FOOTSCRAY/LINFOX ACCESS	102,624,922
4376	Footscray / Market Gate 2	FOOTSCRAY/MARKET GATE 2	90,180,088
4486	Western Link / Dynon On Ramp North Bd	WESTERN LINK/DYNON ON RAMP NORTH BD	81,251,991
4505	Victoria / William / Howard	VICTORIA/WILLIAM/HOWARD	72,577,784
1051	Victoria / Errol	VICTORIA/ERROL	66,303,487
4503	Victoria / Leveson	VICTORIA/LEVESON	66,070,725
3665	Appleton Dock / Enterprize	APPLETON DOCK/ENTERPRIZE	40,767,708
3286	Sims Street Near Footscray Road	Sims Street Near Footscray Road	18,913,496
3628	Appleton Dock / Coode	APPLETON DOCK/COODE	13,164,617
1360	FOOTSCRAY (SERVICE RD) near APPLETON DK RD	FOOTSCRAY (SERVICE RD) NR APPLETON DK RD	1,234,803

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>