

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: #1

SCATS sites: 170

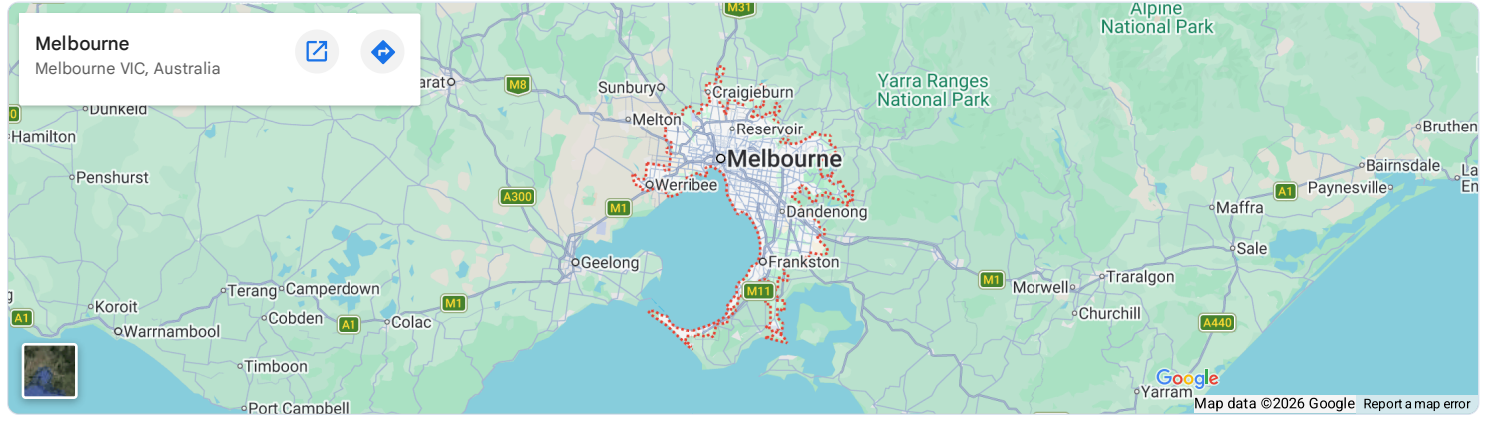
Postcode(s): 3000, 3002, 3004, 3139, 3141, 3168, 3205, 3206, 3337, 3429, 3751, 3757, 3775, 3777, 3797, 3799, 3812, 3915, 3980, 3981, 3984



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

Melbourne contains 170 mapped SCATS traffic sites in this suburb-level profile. Across the historical dataset, these sites account for 19,588,962,503 vehicle movements, or approximately 19,589.0M.

The busiest mapped SCATS location in Melbourne is Princes Highway East / ALBERT, with 518,575,823 recorded movements across the historical period.

19,589.0M

Total mapped vehicle movements

170

Mapped SCATS sites

#1

Melbourne suburb movement rank

115,229,191

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.

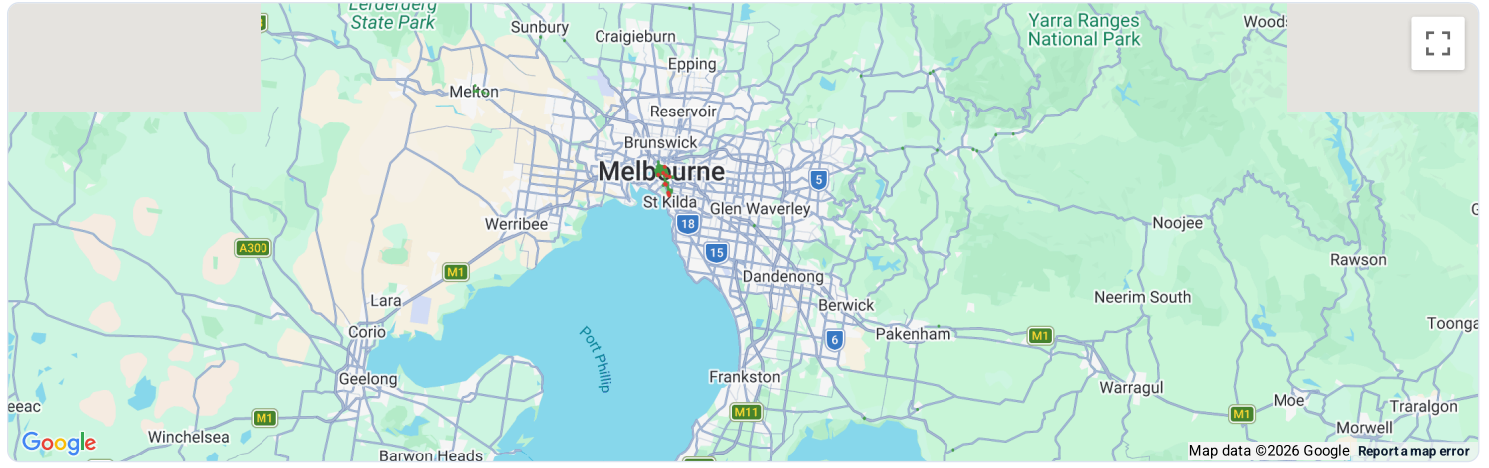
Top SCATS Sites in Melbourne

#	SCATS ID	Location	Total movements	Millions	Rank
1	2405	Princes Highway East / ALBERT PHE/ALBERT	518,575,823	518.6M	8
2	2929	King Street / Flinders Street KING ST/FLINDERS ST	485,057,518	485.1M	21
3	2406	Princes Highway East / QUEENS PHE/QUEENS	381,814,908	381.8M	62
4	2407	Princes Highway East / LORNE (X LAKESIDE) PHE/LORNE (X LAKESIDE)	375,739,484	375.7M	69
5	2918	Victoria / Latrobe VICTORIA/LATROBE	352,085,251	352.1M	95
6	2408	Princes Highway East / UNION PHE/UNION	350,979,736	351.0M	97
7	4734	Queens / Link QUEENS/LINK	342,450,502	342.5M	106
8	4562	Swanston / Flinders SWANSTON/FLINDERS	335,176,664	335.2M	122
9	4549	Alexandra / Linlithgow ALEXANDRA/LINLITHGOW	298,667,861	298.7M	187
10	3445	OLYMPIC BLVD(SWAN) near BATMAN OLYMPIC BLVD(SWAN) NR BATMAN	289,190,025	289.2M	218

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 **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: 170. 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 / ALBERT
518,575,823 vehicle movements
[Open busiest site in Google Maps](#)

Suburb Rank

Melbourne ranks **#1** among mapped Melbourne suburbs/localities by total SCATS movement volume in this generated suburb summary.

Likely Dominant Corridors

- High
- Elizabeth
- Swanston
- KILDA
- Flinders
- William
- Queen
- King

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
2405	Princes Highway East / ALBERT	PRINCES HWY EAST/ALBERT	518,575,823
2929	King Street / Flinders Street	KING ST/FLINDERS ST	485,057,518
2406	Princes Highway East / QUEENS	PRINCES HWY EAST/QUEENS	381,814,908
2407	Princes Highway East / LORNE (X LAKESIDE)	PRINCES HWY EAST/LORNE (X LAKESIDE)	375,739,484
2918	Victoria / Latrobe	VICTORIA/LATROBE	352,085,251
2408	Princes Highway East / UNION	PRINCES HWY EAST/UNION	350,979,736
4734	Queens / Link	QUEENS/LINK	342,450,502
4562	Swanston / Flinders	SWANSTON/FLINDERS	335,176,664
4549	Alexandra / Linlithgow	ALEXANDRA/LINLITHGOW	298,667,861
3445	OLYMPIC BLVD(SWAN) near BATMAN	OLYMPIC BLVD(SWAN) NR BATMAN	289,190,025
4539	St Kilda / Toorak	ST KILDA/TOORAK	285,537,415
4561	Russell / Flinders	RUSSELL/FLINDERS	280,690,434
4551	Swan Street Bridge / Batman / Olympic Blvd	SWAN ST BRIDGE/BATMAN/OLYMPIC BLVD	279,125,500
4566	William / Flinders	WILLIAM/FLINDERS	238,078,937
2909	King / Lonsdale	KING/LONSDALE	232,673,307
4584	King / Collins	KING/COLLINS	231,624,761
3399	Punt / Commercial	PUNT/COMMERCIAL	229,617,650
4560	Exhibition / Flinders	EXHIBITION/FLINDERS	225,180,385
4162	PEEL near VICTORIA	PEEL NR VICTORIA	218,995,956
4404	Victoria / Lygon	VICTORIA/LYGMON	215,267,862
2920	Russell / Latrobe	RUSSELL/LATROBE	214,616,393
4601	King / Bourke	KING/BOURKE	213,337,280
2925	King / Latrobe	KING/LATROBE	207,562,798
4550	Alexandra / Swan Bridge.	ALEXANDRA/SWAN BRIDGE.	206,172,399
4405	Victoria / Rathdowne	VICTORIA/RATHDOWNE	204,784,234
4564	Queen / Flinders	QUEEN/FLINDERS	204,687,645
4565	Flinders / Market	FLINDERS/MARKET	196,856,657
2902	Exhibition / Lonsdale	EXHIBITION/LONSDALE	194,999,070
4558	Olympic Blvd(Swan) / Tram Access	OLYMPIC BLVD(SWAN)/TRAM ACCESS	194,897,343
2903	Russell / Lonsdale	RUSSELL/LONSDALE	194,587,436
4540	St Kilda / Leopold / Armadale	ST KILDA/LEOPOLD/ARMADALE	192,558,335
1415	MONASH Freeway EXIT RAMP / FERNTREE GULLY RD	MONASH FWY EXIT RAMP / FERNTREE GULLY RD	191,463,136
4389	Victoria / Swanston	VICTORIA/SWANSTON	182,386,346
4388	Elizabeth / Victoria	ELIZABETH/VICTORIA	181,692,571
4542	St Kilda / Moubay	ST KILDA/MOUBRAY	180,973,916
4387	Elizabeth / Queensberry	ELIZABETH/QUEENSBERRY	175,106,827

SCATS ID	Friendly name	Official name	Total movements
4402	Victoria / Bouverie	VICTORIA/BOUVERIE	173,996,754
4567	Spencer / Flinders	SPENCER/FLINDERS	173,360,374
2922	Elizabeth / Latrobe	ELIZABETH/LATROBE	167,073,269
2921	Swanston / Latrobe	SWANSTON/LATROBE	159,210,478
822	WARBURTON Highway / BELL RD / LINK RD	WARBURTON HWY/ BELL RD / LINK RD	158,894,674
2904	Swanston / Lonsdale	SWANSTON/LONSDALE	158,790,289
3400	Punt / Moubray / Greville	PUNT/MOUBRAY/GREVILLE	158,751,558
2919	Exhibition / Latrobe	EXHIBITION/LATROBE	157,087,523
2907	Queen / Lonsdale	QUEEN/LONSDALE	156,600,713
4536	St Kilda / Park / Domain	ST KILDA/PARK/DOMAIN	156,536,250
4532	St Kilda / Southbank	ST KILDA/SOUTHBANK	153,845,634
4541	St Kilda / Commercial	ST KILDA/COMMERCIAL	152,063,836
1045	SPENCER near FLINDERS	SPENCER NR FLINDERS	147,916,316
4553	St Kilda / Arthur / Slater	ST KILDA/ARTHUR/SLATER	147,140,569
3408	Olympic Blvd / Melbourne Park Ent D	OLYMPIC BLVD/MELBOURNE PARK ENT D	142,117,174
4576	Collins / Exhibition	COLLINS/EXHIBITION	140,120,474
4543	St Kilda / High / Lorne	ST KILDA/HIGH/LORNE	139,478,983
2924	William / Latrobe	WILLIAM/LATROBE	136,874,354
4574	King / Flinders Lane	KING/FLINDERS LANE	134,481,018
3409	Olympic Blvd / Rectangular Streetadium East Ac	OLYMPIC BLVD/RECTANGULAR STADIUM EAST AC	133,808,530
4563	Elizabeth / Flinders	ELIZABETH/FLINDERS	132,636,515
1241	ST KILDA RD near COMMERCIAL RD	ST KILDA RD NR COMMERCIAL RD	131,852,161
4386	Royal / Grattan	ROYAL/GRATTAN	130,891,534
2300	St Kilda / Union	ST KILDA/UNION	128,486,975
4575	Spring / Collins	SPRING/COLLINS	125,051,687
591	STH GIPPSD Highway near LYALL	STH GIPPSD HWY NR LYALL	124,674,539
2926	Spencer / Latrobe	SPENCER/LATROBE	123,451,810
4577	Russell / Collins	RUSSELL/COLLINS	122,236,354
5155	WARBURTON Highway near SCHOOL LANE	WARBURTON HWY NR SCHOOL LANE	119,417,789
3257	Vineyard / Elizabeth / Deveny	VINEYARD/ELIZABETH/DEVENY	118,538,925
4544	COMMERCIAL near ALFRED HOSP	COMMERCIAL NR ALFRED HOSP	117,606,057
2393	ALEXANDRA AVE near LINLITHGOW AVE	ALEXANDRA AVE NR LINLITHGOW AVE	117,406,957
2908	William / Lonsdale	WILLIAM/LONSDALE	116,944,551
2905	LONSDALE near ST FRANCIS	LONSDALE NR ST FRANCIS	108,600,362
1242	ST KILDA RD near UNION ST	ST KILDA RD NR UNION ST	108,336,330
4583	William / Collins	WILLIAM/COLLINS	107,825,103
104	Maroondah / Green	MAROONDAH/GREEN	107,664,869
4525	Flinders Ext / World Trade Centre Access	FLINDERS EXT/WORLD TRADE CENTRE ACCESS	106,877,421
4733	Albert / Lakeside	ALBERT/LAKESIDE	104,592,138
2650	High / Palmerston	HIGH/PALMERSTON	104,572,930
2651	High / O'Neills / Station	HIGH/O'NEILLS/STATION	102,788,511
4597	Elizabeth / Bourke	ELIZABETH/BOURKE	101,892,585
1563	Lonsdale Street near Healeys Lane	Lonsdale Street near Healeys Lane	101,878,975
4606	Elizabeth / Little Bourke	ELIZABETH/LITTLE BOURKE	101,619,512
2912	Russell / Little Lonsdale	RUSSELL/LITTLE LONSDALE	101,510,994
4535	ST KILDA near DORCAS	ST KILDA NR DORCAS	99,578,948
4595	Russell / Bourke	RUSSELL/BOURKE	98,464,647
152	BELL near HERBERT	BELL NR HERBERT	97,912,339
4599	Queen / Bourke	QUEEN/BOURKE	97,217,400
2901	Spring / Lonsdale	SPRING/LONSDALE	96,724,128
1243	ST KILDA RD near HIGH ST	ST KILDA RD NR HIGH ST	96,435,189
4834	ST KILDA near RALEIGH	ST KILDA NR RALEIGH	93,848,484
4531	ST KILDA near CONCERT HALL	ST KILDA NR CONCERT HALL	92,406,562
4581	Queen / Collins	QUEEN/COLLINS	88,589,043
4530	SWANSTON near YARRA RIVER	SWANSTON NR YARRA RIVER	86,582,977
4580	Elizabeth / Collins	ELIZABETH/COLLINS	86,429,103
4534	ST KILDA near COVENTRY	ST KILDA NR COVENTRY	85,998,927
2935	LONSDALE near SWANSTON	LONSDALE NR SWANSTON	85,580,249
1425	LONSDALE near HARDWARE	LONSDALE NR HARDWARE	83,960,034
4921	Queens Bridge / Queenswharf / Banana Alley	QUEENS BRIDGE/QUEENSWHARF/BANANA ALLEY	83,691,708
1259	FRANKSTON-FLINDERS RD near HIGH & GLENDALE	FRANKSTON-FLINDERS RD NR HIGH & GLENDALE	79,992,197
4582	COLLINS near MARKET	COLLINS NR MARKET	79,558,711
4600	William / Bourke	WILLIAM/BOURKE	78,684,761
4528	Batman / Melb Park Nth Access	BATMAN/MELB PARK NTH ACCESS	74,597,197
2965	HIGH near SMITH	HIGH NR SMITH	74,573,714
4510	Elizabeth / Therry	ELIZABETH/THERRY	73,907,253
572	Warburton / Healesville-Koo Wee Rup	WARBURTON/HEALESVILLE-KOO WEE RUP	73,424,378
2906	Elizabeth / Lonsdale	ELIZABETH/LONSDALE	73,349,397
2835	Spencer / Little Collins	SPENCER/LITTLE COLLINS	73,239,893
4557	BATMAN near GATE 2 MELBOURNE PARK TENNIS C	BATMAN NR GATE 2 MELBOURNE PARK TENNIS C	71,693,778
4556	Queen / ABeckett	QUEEN/ABECKETT	71,393,900
2900	Spencer / Little Bourke	SPENCER/LITTLE BOURKE	71,088,030
4554	ST KILDA near BOWEN	ST KILDA NR BOWEN	70,743,459
1059	Franklin / Peel / William	FRANKLIN/PEEL/WILLIAM	70,438,500
4594	Bourke / Exhibition	BOURKE/EXHIBITION	70,112,782
3471	ST KILDA RD near BOWEN CRESCENT	ST KILDA RD NR BOWEN CRESCENT	69,714,812
4593	Spring / Bourke	SPRING/BOURKE	66,882,709
1711	FLINDERS ST near RUSSELL ST	FLINDERS ST NR RUSSELL ST	66,298,997
4573	William / Flinders Lane	WILLIAM/FLINDERS LANE	64,642,429
4569	Russell / Flinders Lane	RUSSELL/FLINDERS LANE	59,772,126
4579	COLLINS near ELIZABETH	COLLINS NR ELIZABETH	59,537,436
4598	BOURKE near HARDWARE	BOURKE NR HARDWARE	57,178,154
2923	Queen / Latrobe	QUEEN/LATROBE	56,018,961
2914	Elizabeth / Little Lonsdale	ELIZABETH/LITTLE LONSDALE	55,698,143
4570	Swanston / Flinders Lane	SWANSTON/FLINDERS LANE	55,616,390
1244	Koo Wee Rup-Longwarry(Rossiter) / Station	KOO WEE RUP-LONGWARRY(ROSSITER)/STATION	54,529,567
4735	Lakeside / Link	LAKESIDE/LINK	54,432,227
4523	Swanston / Franklin	SWANSTON/FRANKLIN	52,792,778
4605	Swanston / Little Bourke	SWANSTON/LITTLE BOURKE	52,318,361
2653	High / Melton Valley	HIGH/MELTON VALLEY	51,581,255
306	WARBURTON Highway near HEARSE	WARBURTON HWY NR HEARSE	50,988,036
2024	Spring / Flinders Lane	SPRING / FLINDERS LANE	50,672,109
1176	MAROONDAH Highway / DON / ST LEONARDS	MAROONDAH HWY/DON/ST LEONARDS	48,887,651

SCATS ID	Friendly name	Official name	Total movements
5130	WARBURTON Highway near WATER WHEEL	WARBURTON HWY NR WATER WHEEL	45,600,656
1732	Melton Highway / Gateway Drive	Melton Highway/Gateway Drive	44,052,559
4589	Elizabeth / Little Collins	ELIZABETH/LITTLE COLLINS	41,214,116
1439	High St / Holland Dr / Service Centre Access	High St/Holland Dr/Service Centre Access	40,769,724
1726	Plenty Rd / Laurel St / Wallan Rd	Plenty Rd/Laurel St/Wallan Rd	40,325,321
4591	William / Little Collins	WILLIAM/LITTLE COLLINS	36,552,047
2913	Swanston / Little Lonsdale	SWANSTON/LITTLE LONSDALE	36,006,498
4578	Swanston / Collins	SWANSTON/COLLINS	33,888,095
4608	William / Little Bourke	WILLIAM/LITTLE BOURKE	33,734,215
4511	Elizabeth / Franklin	ELIZABETH/FRANKLIN	33,632,937
4587	Russell / Little Collins	RUSSELL/LITTLE COLLINS	32,451,579
2931	Flinders / Wellington Streeth	FLINDERS/WELLINGTON STH	31,126,424
3973	LINLITHGOW near ST KILDA	LINLITHGOW NR ST KILDA	31,012,723
2916	William / Little Lonsdale	WILLIAM/LITTLE LONSDALE	28,775,597
4512	Elizabeth / ABeckett	ELIZABETH/ABECKETT	25,751,718
4571	Elizabeth / Flinders Lane	ELIZABETH/FLINDERS LANE	25,146,092
154	WARBURTON Highway / YARRA JUNCTION-NOOJEE	WARBURTON HWY/YARRA JUNCTION-NOOJEE	24,864,796
763	Marine / Barclay	MARINE/BARCLAY	23,959,034
3410	Flinders Lane / Market	FLINDERS LANE/MARKET	21,346,276
4547	DOMAIN near DOMAIN	DOMAIN NR DOMAIN	16,983,881
4572	Queen / Flinders Lane	QUEEN/FLINDERS LANE	16,825,029
1263	WESTERN PORT RD near RUPERT ST	WESTERN PORT RD NR RUPERT ST	16,690,559
4596	Swanston / Bourke	SWANSTON/BOURKE	16,493,037
5432	Sunbury Road / Marinis Drive	Sunbury Road/Marinis Drive	15,490,177
4546	DOMAIN near ST KILDA	DOMAIN NR ST KILDA	13,385,982
4592	King / Little Collins	KING/LITTLE COLLINS	11,431,785
1995	Centenary Ave bet Smout Dr and Arawata Pde	Centenary Ave bet Smout Dr and Arawata Pde	11,359,778
4529	Melbourne Park Nth Access / Fed Sq Access	MELBOURNE PARK NTH ACCESS/FED SQ ACCESS	11,226,490
4607	Queen / Little Bourke	QUEEN/LITTLE BOURKE	10,699,573
4609	King / Little Bourke	KING/LITTLE BOURKE	9,816,598
4604	Russell / Little Bourke	RUSSELL/LITTLE BOURKE	9,812,110
4588	Swanston / Little Collins	SWANSTON/LITTLE COLLINS	9,029,414
4586	Exhibition / Little Collins	EXHIBITION/LITTLE COLLINS	8,517,696
4568	Exhibition / Flinders Lane	EXHIBITION/FLINDERS LANE	8,049,631
5453	PRINCES Highway / APSLEY PARKWAY / CONNECTOR B ROAD	PRINCES HWY / APSLEY PARKWAY / CONNECTOR B ROAD	8,024,251
4590	Queen / Little Collins	QUEEN/LITTLE COLLINS	7,840,956
2917	King / Little Lonsdale	KING/LITTLE LONSDALE	7,641,189
2915	Queen / Little Lonsdale	QUEEN/LITTLE LONSDALE	7,371,001
2911	Exhibition / Little Lonsdale	EXHIBITION/LITTLE LONSDALE	6,120,243
4603	Exhibition / Little Bourke	EXHIBITION/LITTLE BOURKE	4,806,325
2371	Donnybrook Road / Monakeeba Bvd	DONNYBROOK RD/ MONAKEEBA BVD	4,639,843

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>