

TRAFFIC ANALYSIS REPORT FOR MARCH 2023

1. Southam Lane

This month saw an average of 2431 cars per day. The average speed of motorized vehicles was 29.9 mph. 85% of all vehicles were travelling slower than 35.4 mph. The worst speeding event we had occurred at 2:30am on the 15th March 2023 when a vehicle was recorded travelling at 65 mph coming into the village passing the entrance to Manor Courtyard. Traffic is travelling eastwards on Southam Lane. There is a 3.1% rain correction in this data, however the rain correction algorithm is affected by the slow race traffic when it jams up Southam lane, see page 4. This leads me to believe we have a shortfall in total traffic count of around 400 vehicles.

For Project: Southam Lane West
Report Generated: 06/08/2023 12:53:44 PM
Speed Intervals = 5 MPH

Traffic Report From 27/02/2023 01:00:00 PM through 27/03/2023 09:59:59 AM

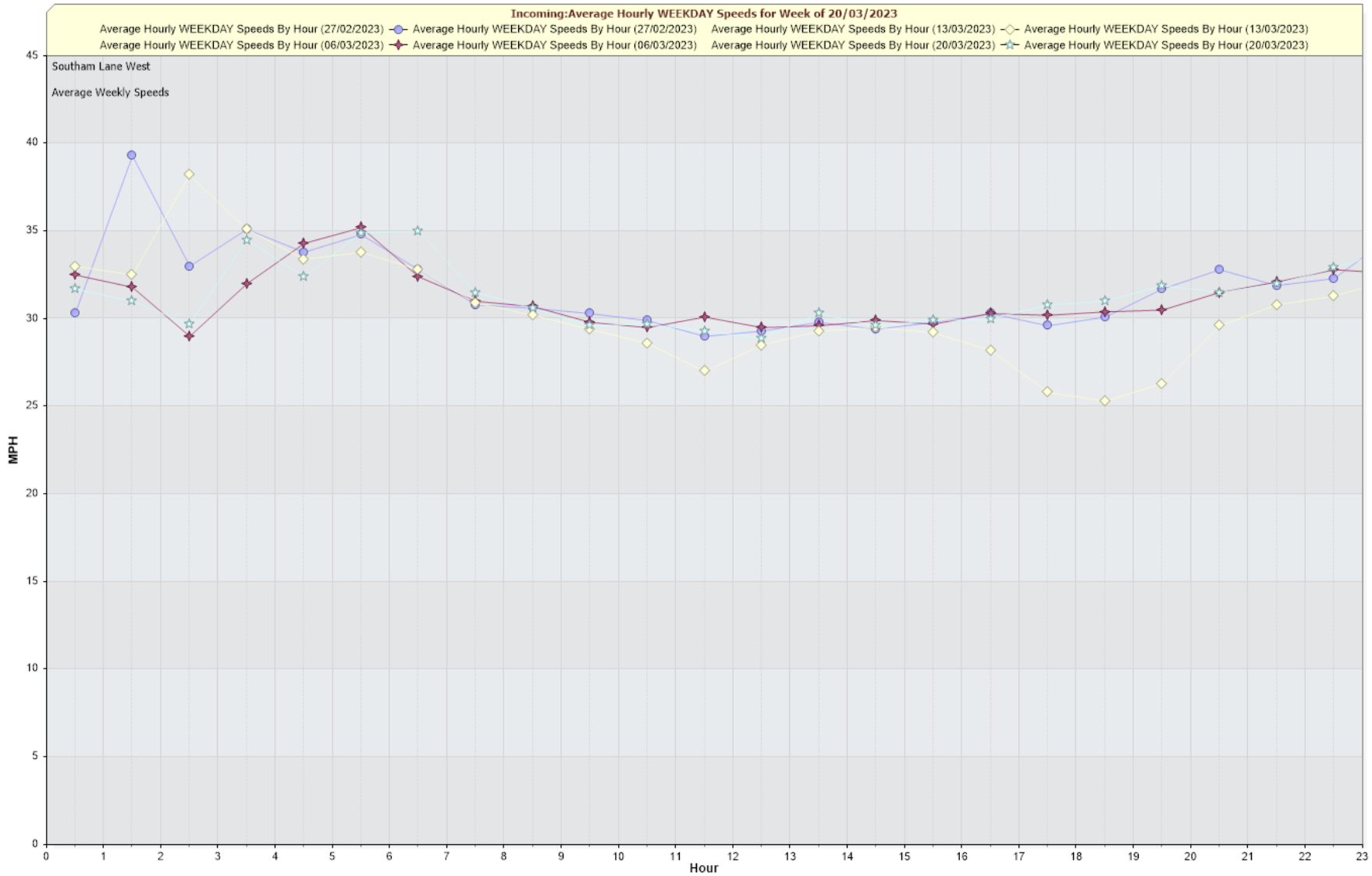
85th Percentile Speed = 35.4 MPH
85th Percentile Vehicles = 57,606 counts
Max Speed = 65.0 MPH on 15/03/2023 02:30:00
Total Vehicles = 67,772 counts
AADT: 2431.3

<u>Volumes - weekly vehicle counts</u>	Time	5 Day	7 Day
Average Daily		2,532	2,354
AM Peak	08:00 to 09:00	195	162
PM Peak	05:00 to 06:00	294	241

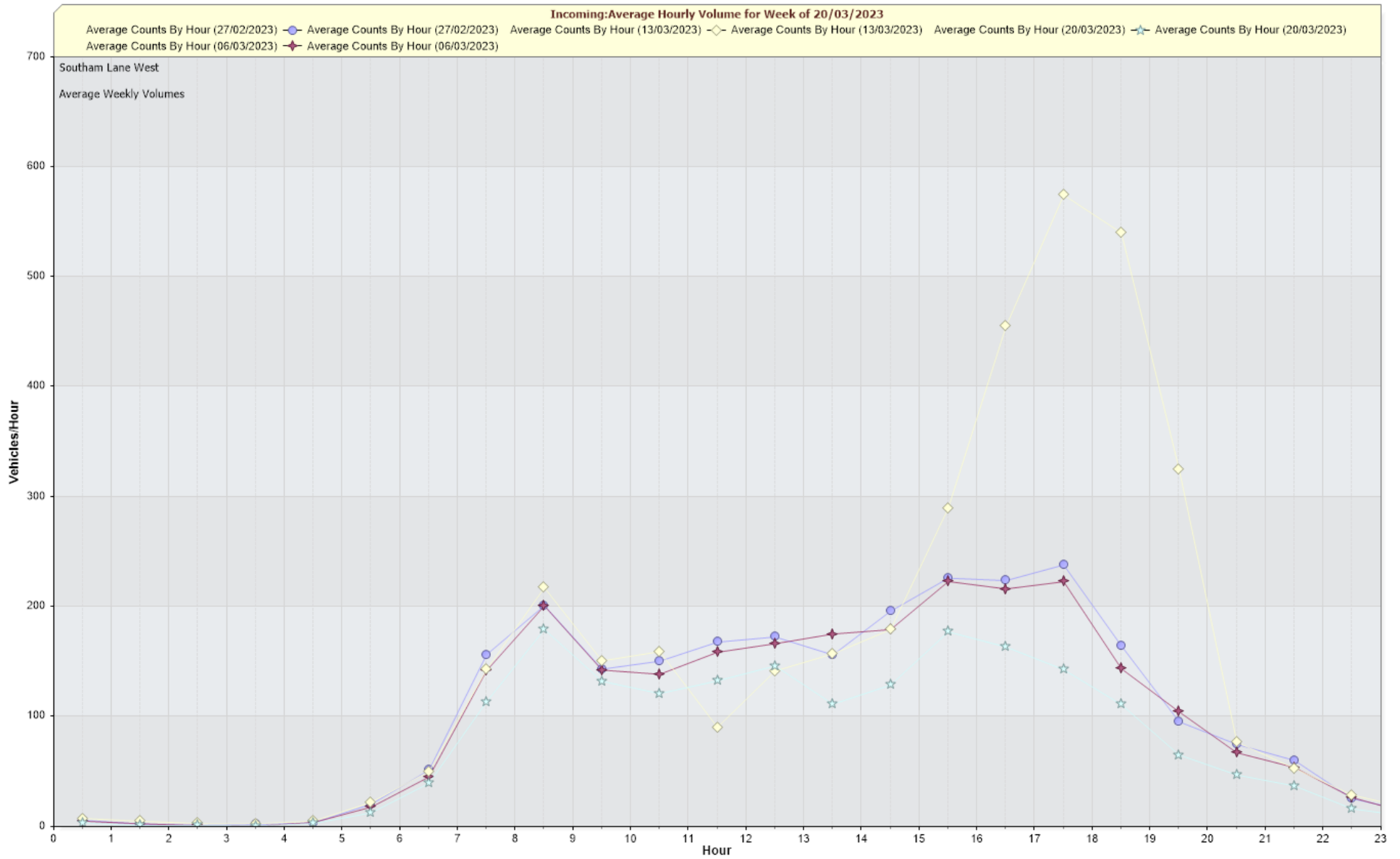
Speed

Speed Limit: 30 MPH
85th Percentile Speed: 35.4 MPH
50th Percentile Speed: 29.5 MPH
10 MPH Pace Interval: 25.0 MPH to 35.0 MPH
Average Speed: 29.9 MPH

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	4618	4643	4532	4348	4865	4532	3945
% over limit	50.2	42.4	42.7	40.5	44.3	55.1	55.9
Avg Speeder	34.7	34.7	34.6	34.6	34.6	35.0	34.9



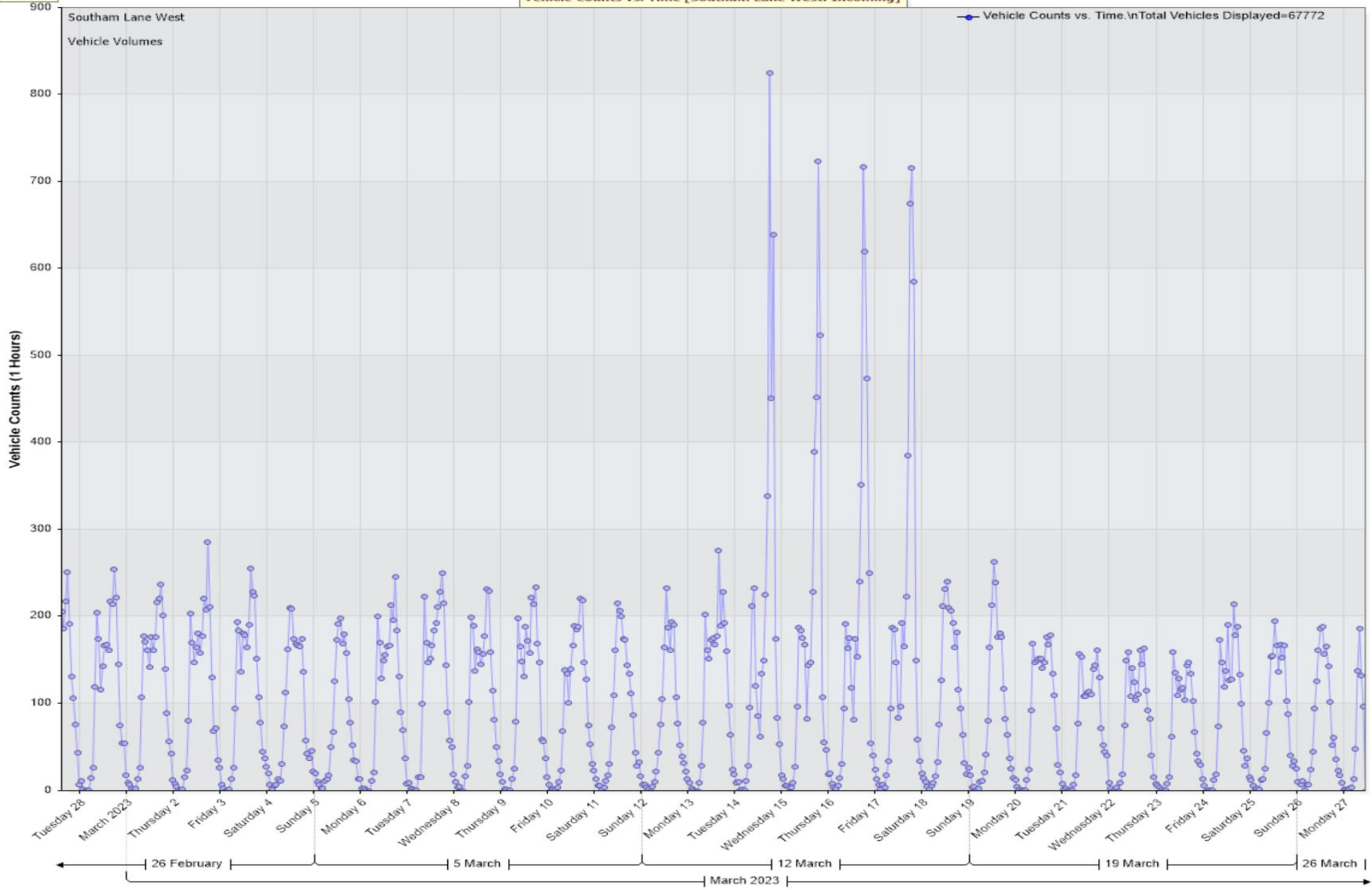
This graph shows the vehicle speeds averaged over a week, plotted by hour. It shows that the highest average vehicle speeds occur in the early morning and the late evening.

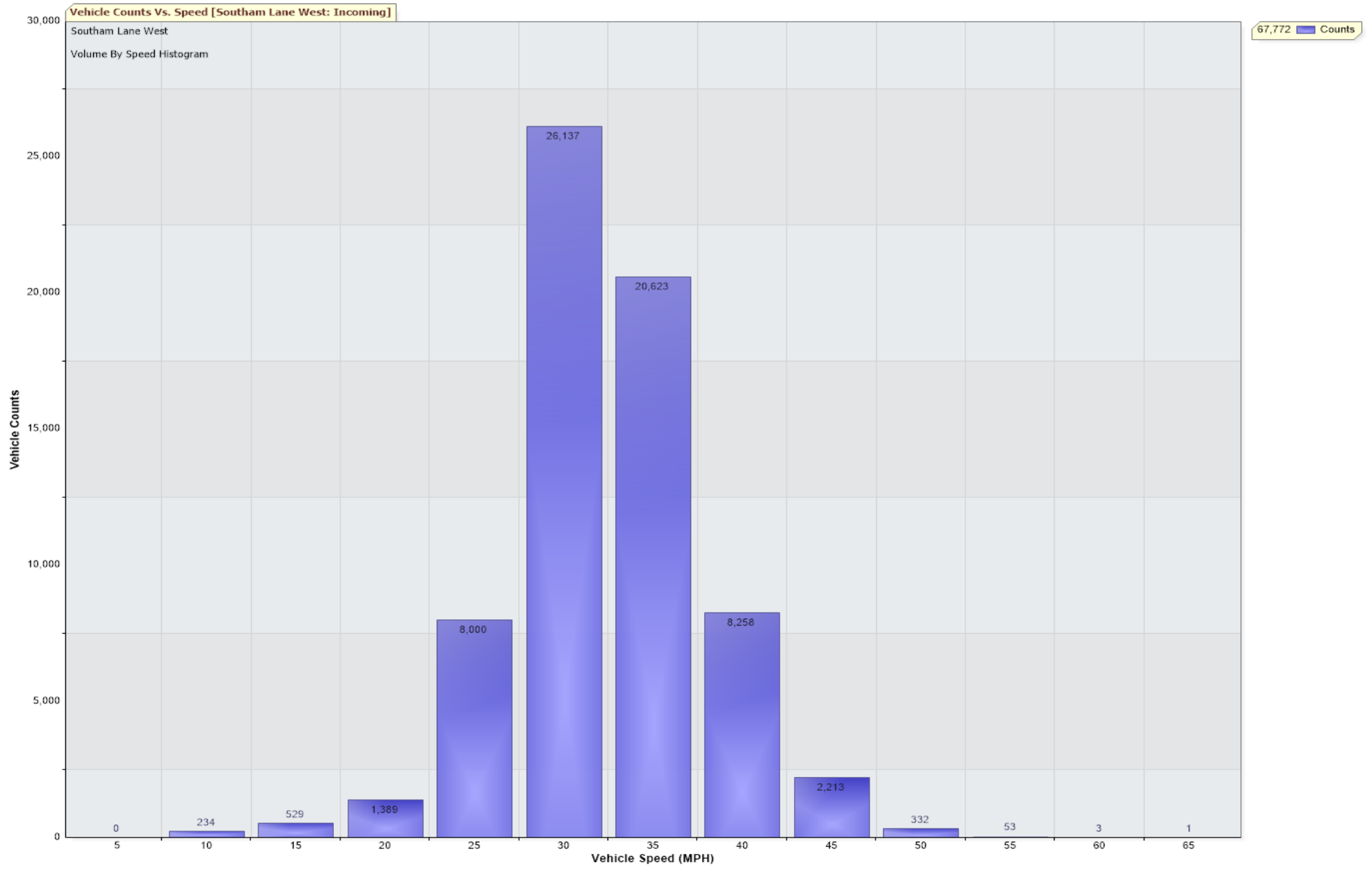


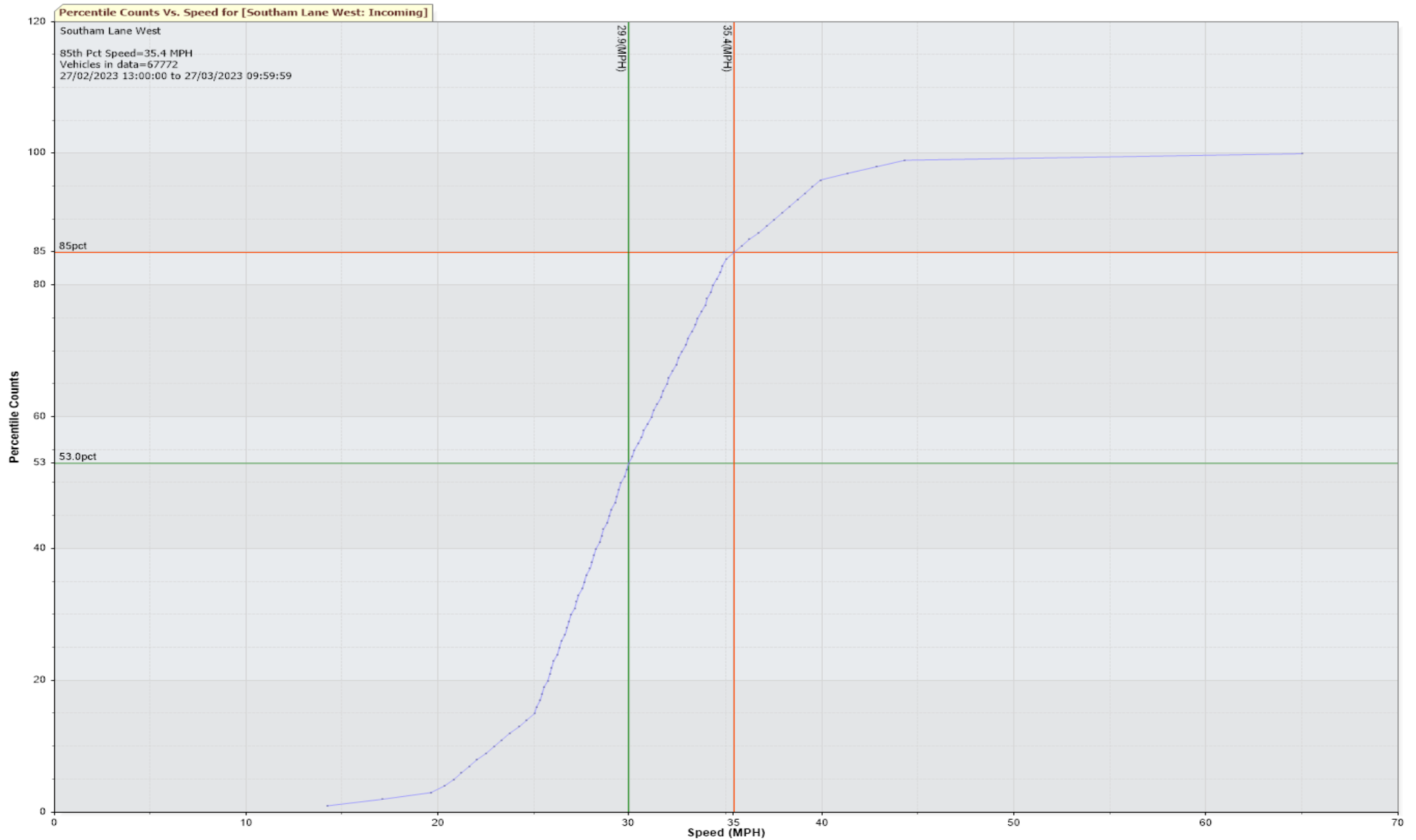
This graph shows the volume of traffic by the hour through the day, each trace represents the average over a weeks' worth of traffic volume figures.

Zoom help

Vehicle Counts vs. Time [Southam Lane West: Incoming]







The blue trace shows the data from the histogram plot on page 5, expressed as a percentage of the total number of vehicles and summed to show the percentage vehicles travelling slower than the selected value on the horizontal scale. The additional brown and green lines show a couple of the most interesting points on the trace, the 85% percentile and the 30mph speed limit.

2. New Road

This month saw an average of 1941 cars per day. The average speed of motorized vehicles was 30.0 mph. 85% of all vehicles were travelling slower than 35.1 mph. The worst speeding event we had occurred at 4:00pm on the 24th March 2023 when a vehicle was recorded travelling at 65 mph coming into the village. Traffic is travelling southwards on New Road. No rain correction required.

For Project: New Road North
Report Generated: 06/08/2023 01:24:30 PM
Speed Intervals = 5 MPH

Traffic Report From 27/02/2023 11:00:00 AM through 26/03/2023 06:59:59 AM

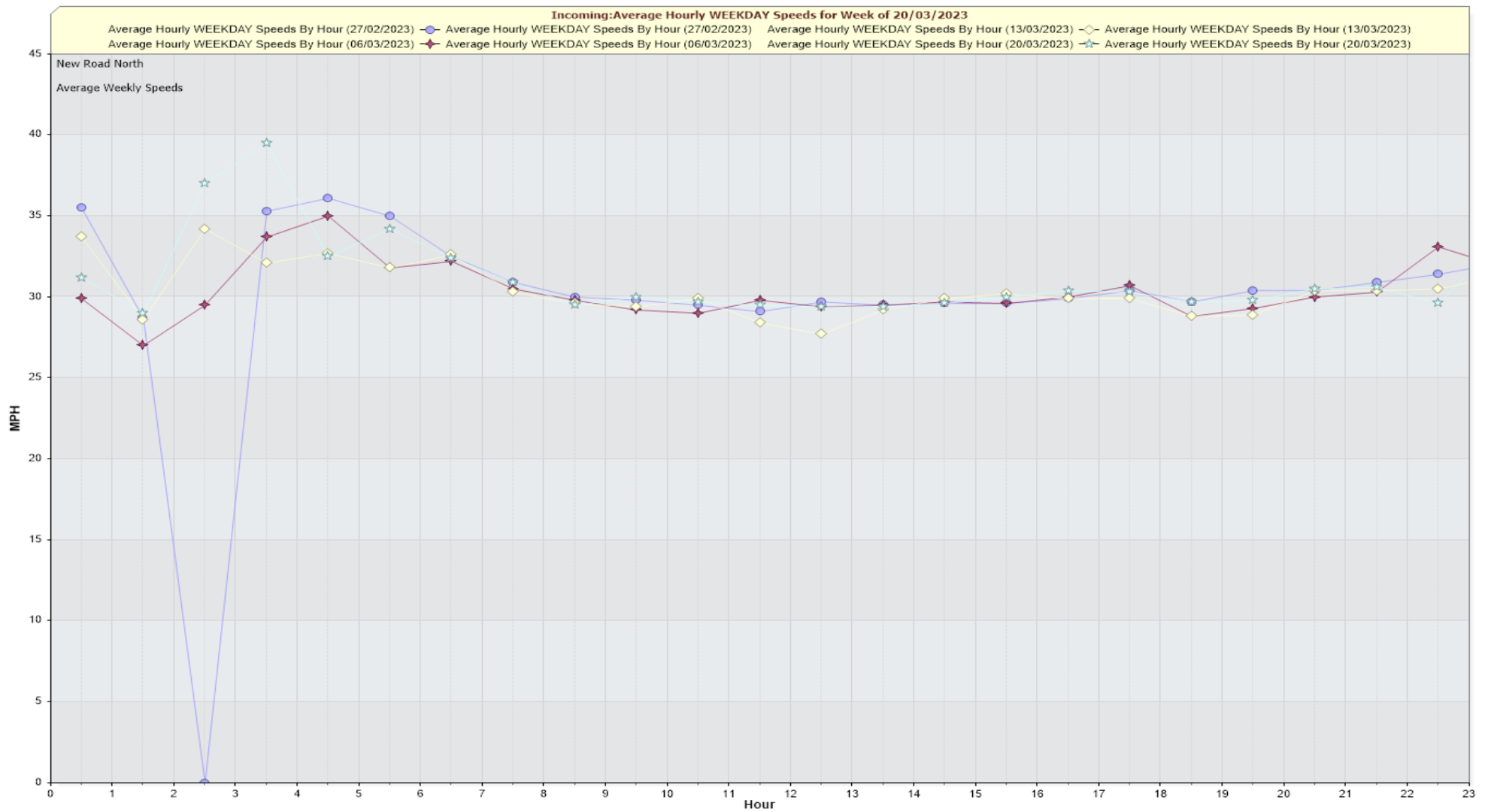
85th Percentile Speed = 35.1 MPH
85th Percentile Vehicles = 44,262 counts
Max Speed = 65.0 MPH on 24/03/2023 16:00:00
Total Vehicles =52,073 counts
AADT: 1940.6

<u>Volumes - weekly vehicle counts</u>	Time	5 Day	7 Day
Average Daily		2,058	1,859
AM Peak	08:00 to 09:00	269	214
PM Peak	03:00 to 04:00	187	165

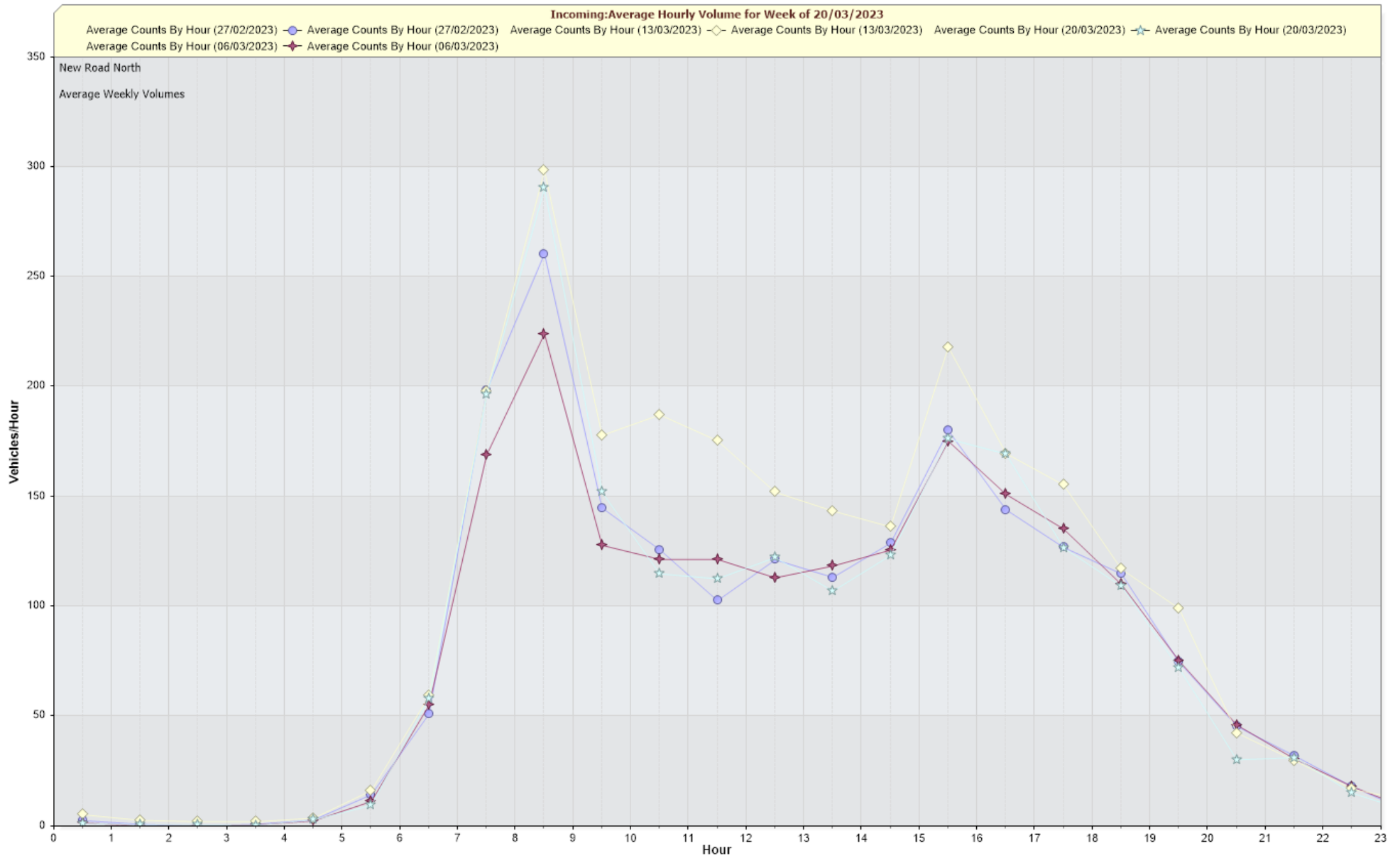
Speed

Speed Limit: 30 MPH
85th Percentile Speed: 35.1 MPH
50th Percentile Speed: 29.8 MPH
10 MPH Pace Interval: 25.0 MPH to 35.0 MPH
Average Speed: 30.0 MPH

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	3508	4200	4091	4002	4004	3326	2172
% over limit	48.2	47.8	47.6	47.3	49.6	50.6	50.4
Avg Speeder	34.3	34.5	34.3	34.3	34.5	34.5	34.7



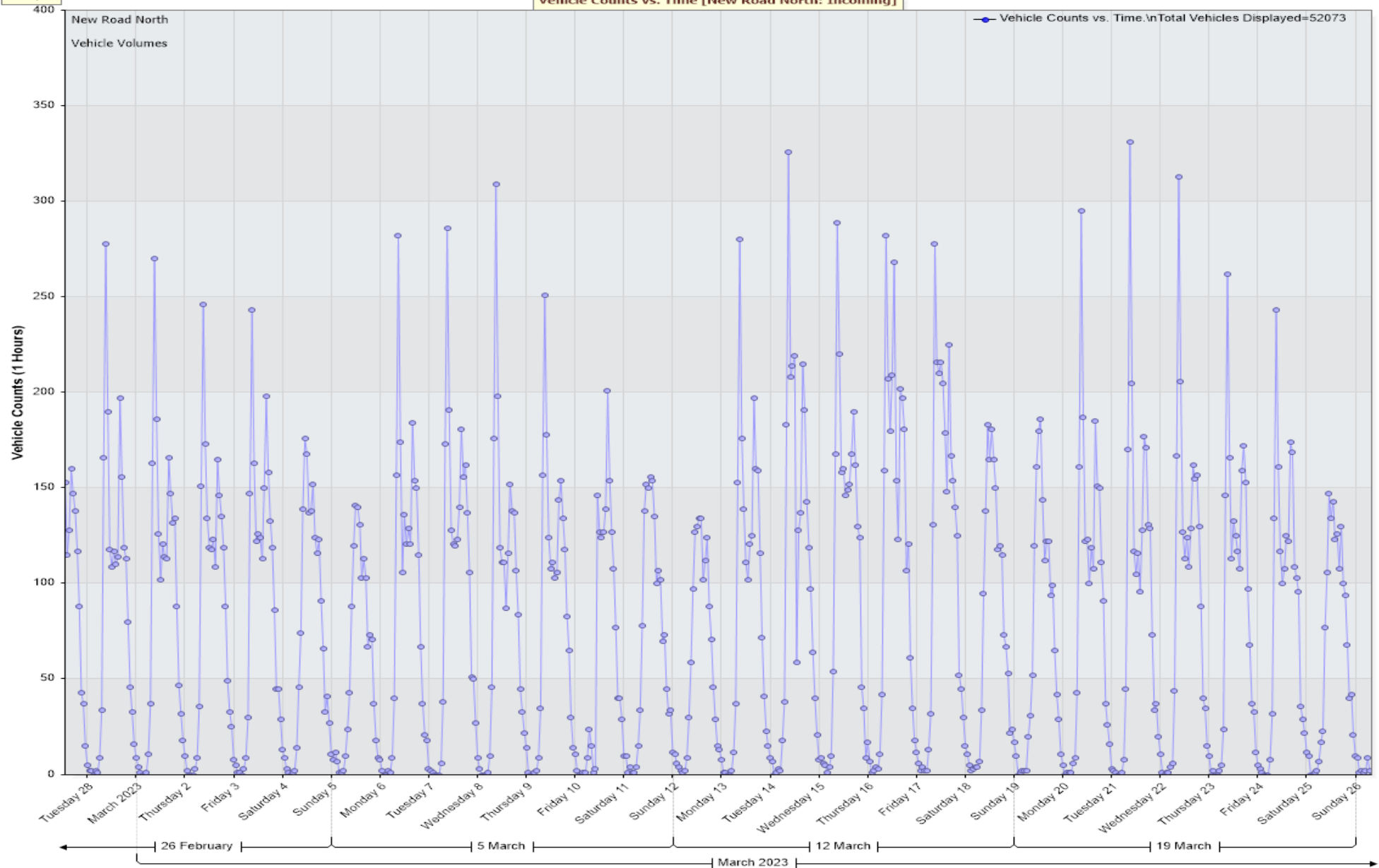
This graph shows the vehicle speeds averaged over a week, plotted by hour. It shows that the highest average vehicle speeds occur in the early morning and the late evening.

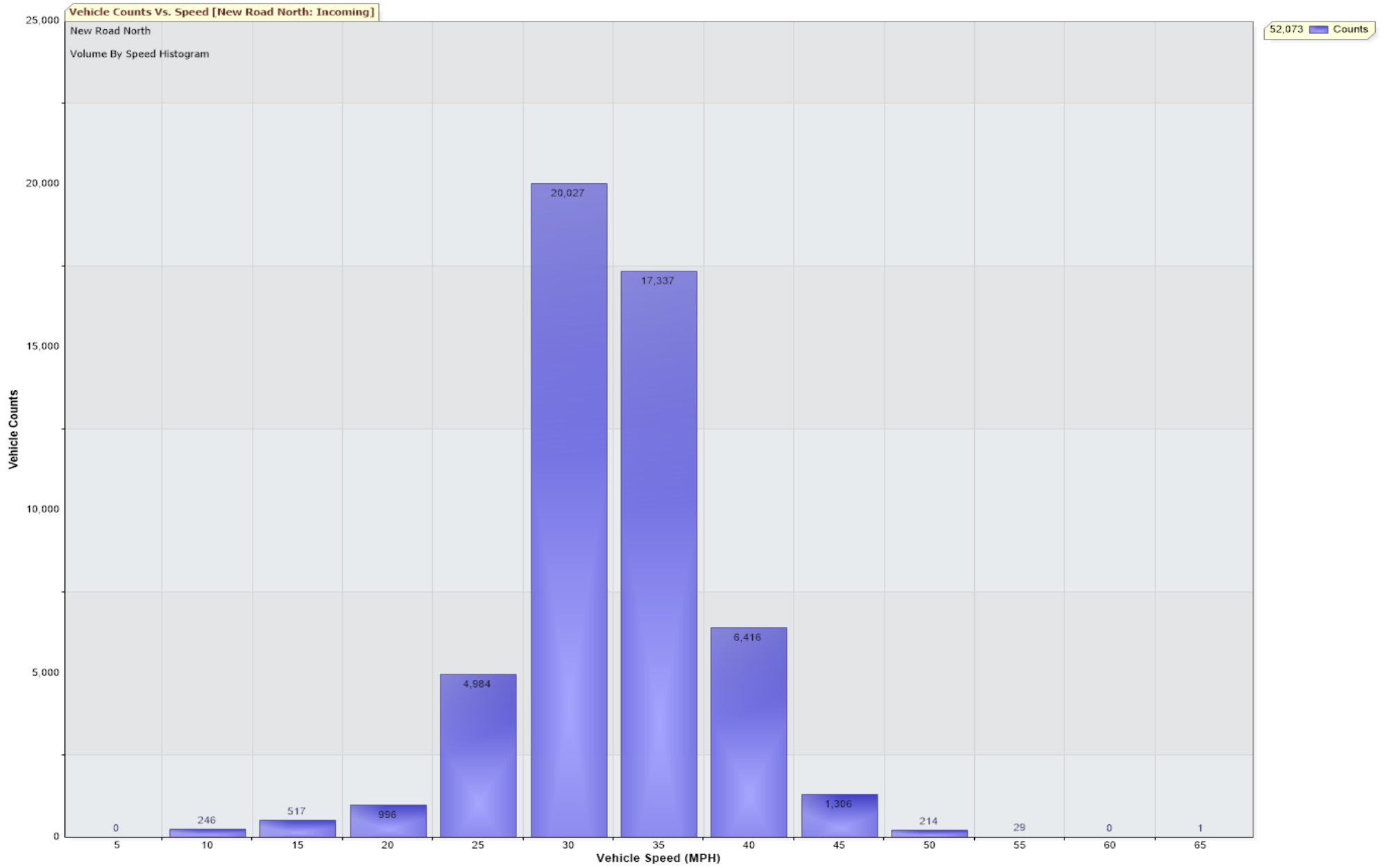


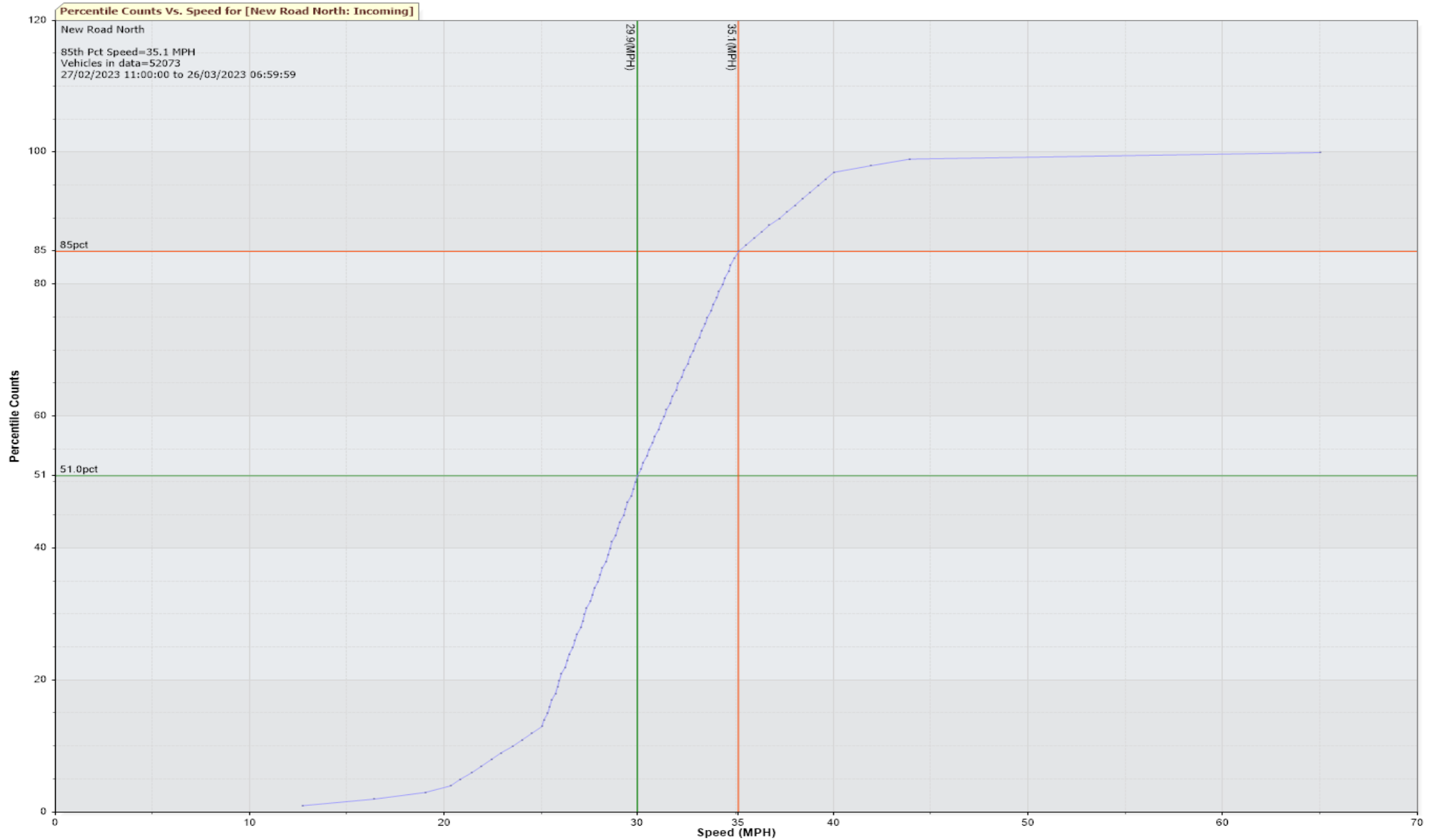
This graph shows the volume of traffic by the hour through the day, each trace represents the average over a weeks' worth of traffic volume figures

Zoom help

Vehicle Counts vs. Time [New Road North: Incoming]







The blue trace shows the data from the histogram plot on page 11, expressed as a percentage of the total number of vehicles and summed to show the percentage vehicles travelling slower than the selected value on the horizontal scale. The additional brown and green lines show a couple of the most interesting points on the trace, the 85% percentile and the 30mph speed limit.