

CONNECTING SHEFFIELD

Better travel choices

Junction vehicle counts:
Woodseats Road / Chesterfield
Road / Scarsdale Road
Section 5 of 9

Sheaf Valley Cycle Route

Traffic Monitoring Data



| Chesterfield Road / Woodseats Road junction count – Introduction

In order to monitor and evaluate the success of the Sheaf Valley Cycle Route, we have conducted a range of traffic monitoring surveys at a number of locations across Sheaf Valley and the surrounding areas.

These surveys capture the movements of motor vehicles, cyclists and pedestrians. We surveyed key roads and junctions where we anticipated a potential change in travel as a result of the scheme, including areas of traffic displacement.

Changes to vehicle counts at junctions were calculated by conducting surveys before and after the measures were put in place. The surveys prior to the Cycle Route coming into effect took place here in November 2021, while the surveys measuring traffic counts after the Cycle Route changes came into effect took place in November 2022.

The findings of all these surveys have been compiled and presented in 9 separate documents.

This is document 5 of 9, and provides an overview of the number of motor vehicles that we counted at the junctions of Chesterfield Road with Woodseats Road and Scarsdale Road via traffic monitoring surveys.

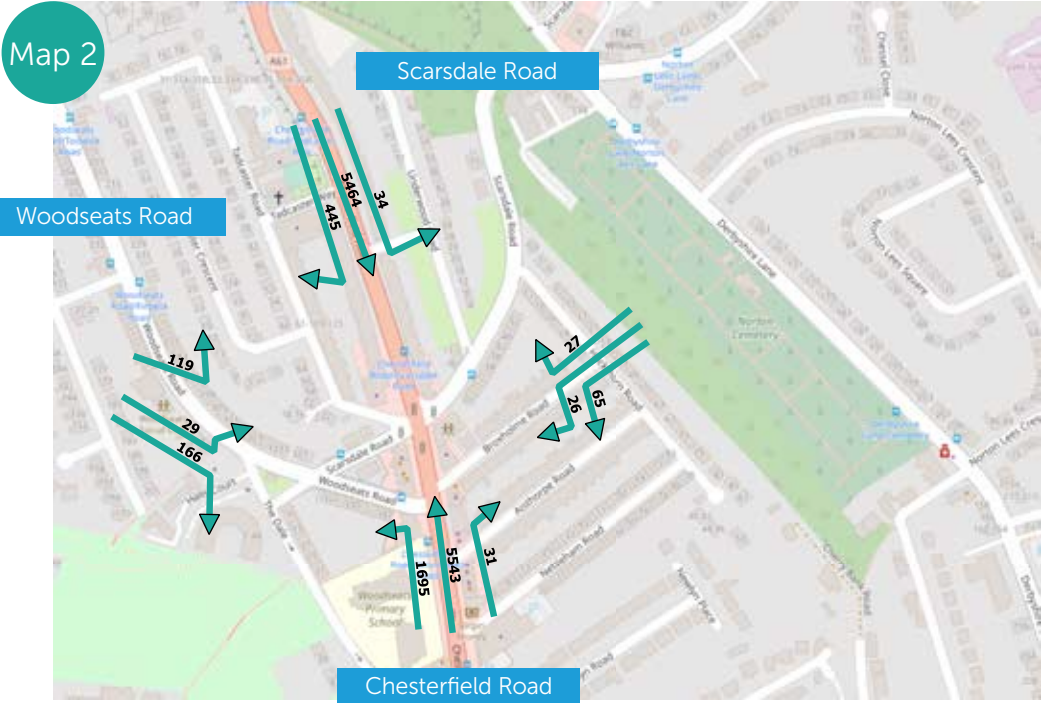
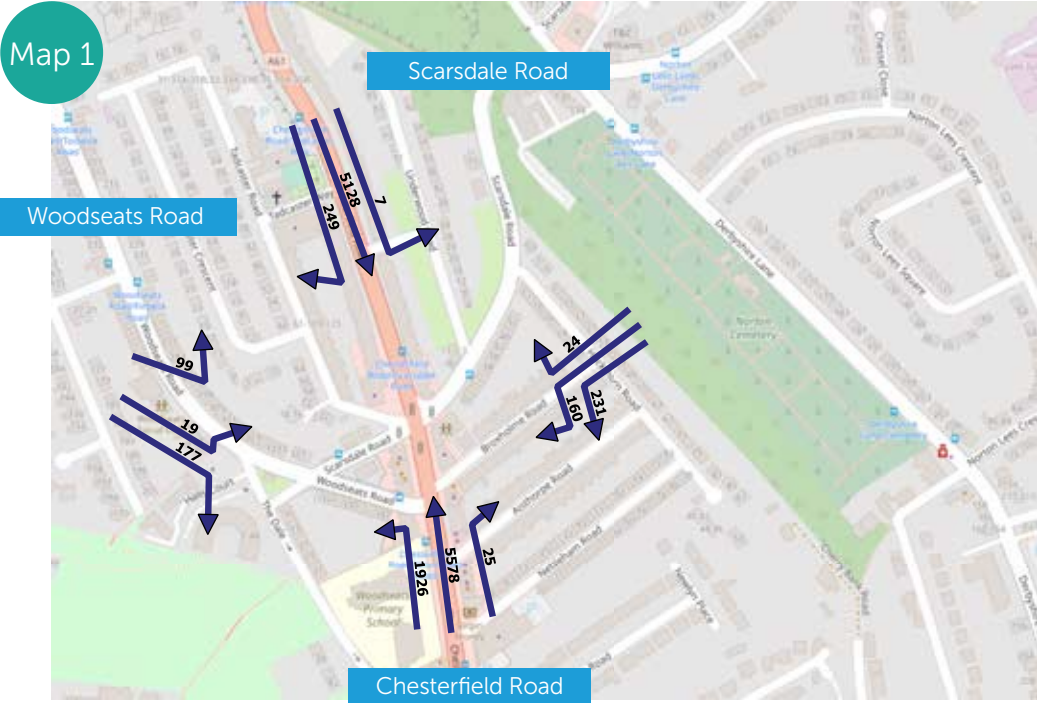
These documents have been created to illustrate changes in travel before and after the Sheaf Valley Cycle Route scheme came into effect. The full committee report on the scheme will provide context to the data presented in this document, and how it informs the recommendations on the future of the scheme.

Number of motor vehicles: Chesterfield Road / Woodseats Road 12 hour count

We counted the number of motor vehicles at the junction of Chesterfield Road and Woodseats Road between 7am and 7pm. Map 1 shows the number of vehicles counted during the survey in November 2021. Map 2 shows the number of vehicles counted during the survey in November 2022. The arrows show the direction of travel of the vehicles we counted.

Number of motor vehicles travelling through the Chesterfield Road / Woodseats Road junction before the scheme (November 2021)

Number of motor vehicles travelling through the Chesterfield Road / Woodseats Road junction after the scheme (November 2022)



Key
 Direction and number of vehicles counted at junction in November 2021

Key
 Direction and number of vehicles counted at junction in November 2022

Number of motor vehicles: Chesterfield Road / Woodseats Road morning traffic count

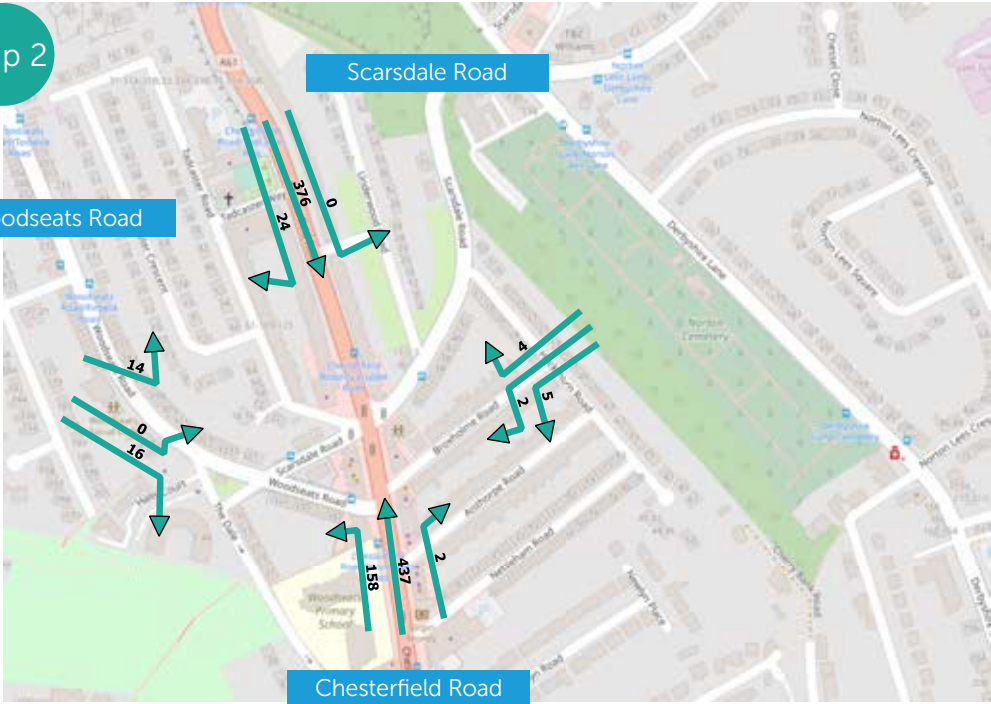
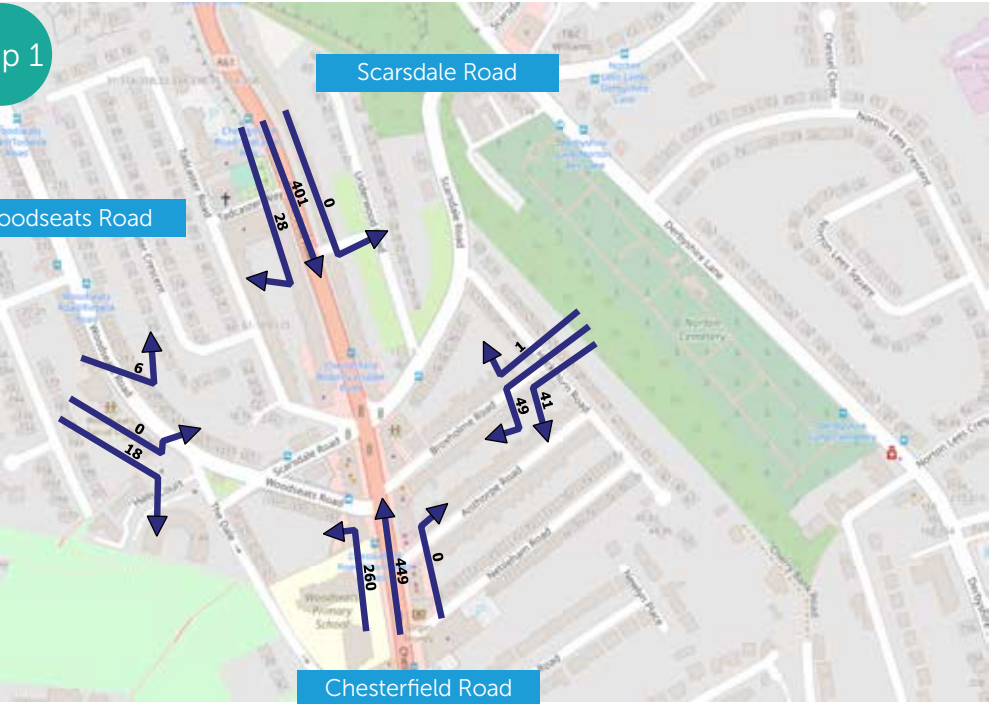
We counted the number of motor vehicles at the junction of Chesterfield Road and Woodseats Road during the peak time of morning traffic, between 8am and 9am. Map 1 shows the number of vehicles counted during the survey in November 2021. Map 2 shows the number of vehicles counted during the survey in November 2022. The arrows show the direction of travel of the vehicles we counted.

Number of motor vehicles travelling through the Chesterfield Road / Woodseats Road junction in the morning before the scheme (November 2021)

Number of motor vehicles travelling through the Chesterfield Road / Woodseats Road junction in the morning after the scheme (November 2022)

Map 1

Map 2



Key

Key

 Direction and number of vehicles counted at junction in November 2021

 Direction and number of vehicles counted at junction in November 2022

Number of motor vehicles: Chesterfield Road / Woodseats Road evening traffic count

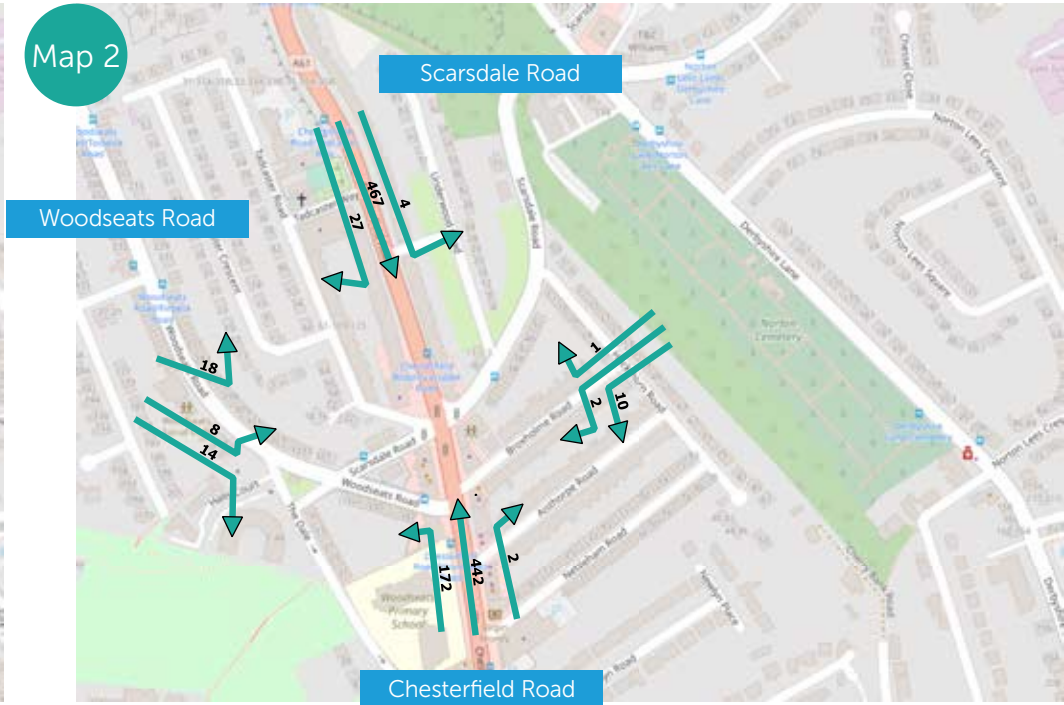
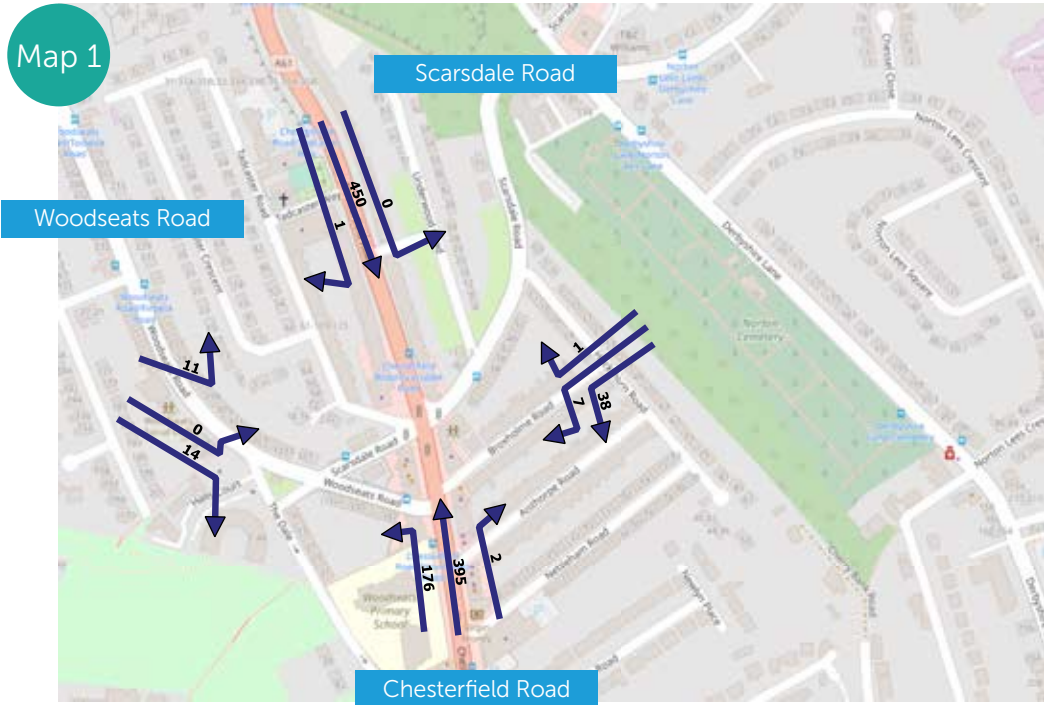
We counted the number of motor vehicles at the junction of Chesterfield Road and Woodseats Road during the peak time of evening traffic, between 5pm and 6pm. Map 1 shows the number of vehicles counted during the survey in November 2021. Map 2 shows the number of vehicles counted during the survey in November 2022. The arrows show the direction of travel of the vehicles we counted.

Number of motor vehicles travelling through the Chesterfield Road / Woodseats Road junction in the evening before the scheme (November 2021)

Number of motor vehicles travelling through the Chesterfield Road / Woodseats Road junction in the evening after the scheme (November 2022)

Map 1

Map 2



Key
 Direction and number of vehicles counted at junction in November 2021

Key
 Direction and number of vehicles counted at junction in November 2022

Chesterfield Road / Woodseats Road junction data table

We counted the number of motor vehicles passing in and out of one arm of the junction of Chesterfield Road and Woodseats Road over a 12 hour period throughout the day, in the morning traffic peak and in the evening traffic peak, before and after the Cycle Route measures were put in place.

The table below shows these changes, both in the difference in motor vehicles counted, and the change as a percentage.

Woodseats Road - total number of motor vehicles counted passing through single arm of junction									
	12 hour before	12 hour after	% change	AM Before	AM After	% change	PM Before	PM After	% change
In	2373	2248	-5%	337	191	-43%	184	206	+12%
Out	600	517	-14%	36	45	+25%	110	99	-10%
Total	2973	2765	-7%	373	236	-37%	294	305	+4%

Number of motor vehicles: Chesterfield Road / Scarsdale Road 12 hour count

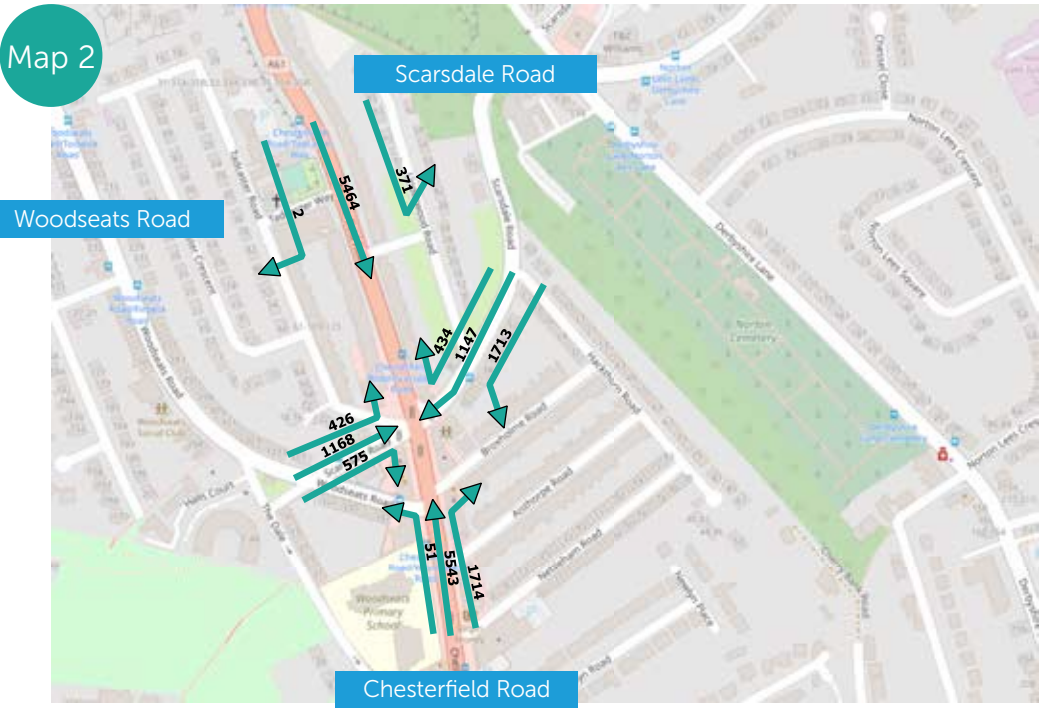
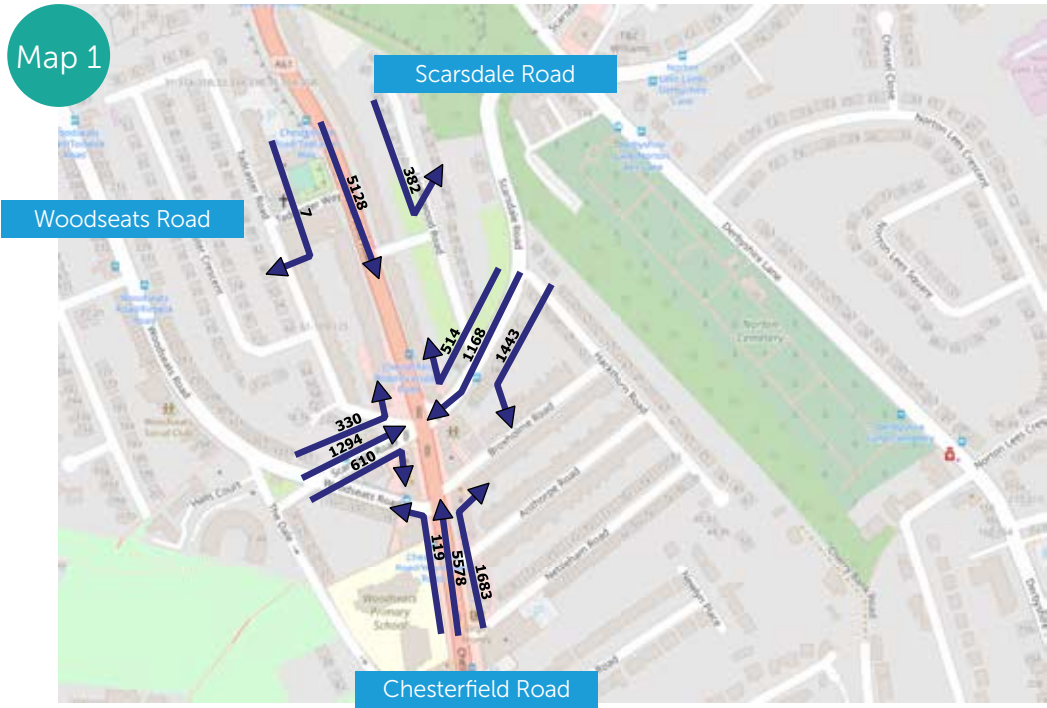
We counted the number of motor vehicles at the junction of Chesterfield Road and Scarsdale Road between 7am and 7pm. Map 1 shows the number of vehicles counted during the survey in November 2021. Map 2 shows the number of vehicles counted during the survey in November 2022. The arrows show the direction of travel of the vehicles we counted.

Number of motor vehicles travelling through the Chesterfield Road / Scarsdale Road junction before the scheme (November 2021)

Number of motor vehicles travelling through the Chesterfield Road / Scarsdale Road junction after the scheme (November 2022)

Map 1

Map 2



Key

Key

➔ Direction and number of vehicles counted at junction in November 2021

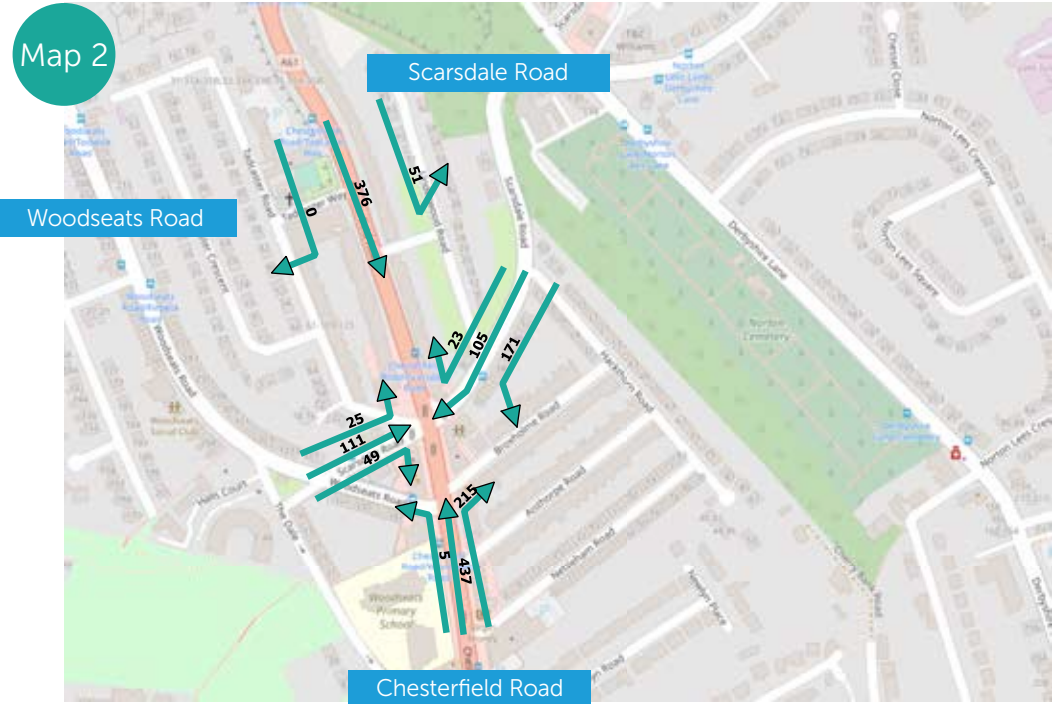
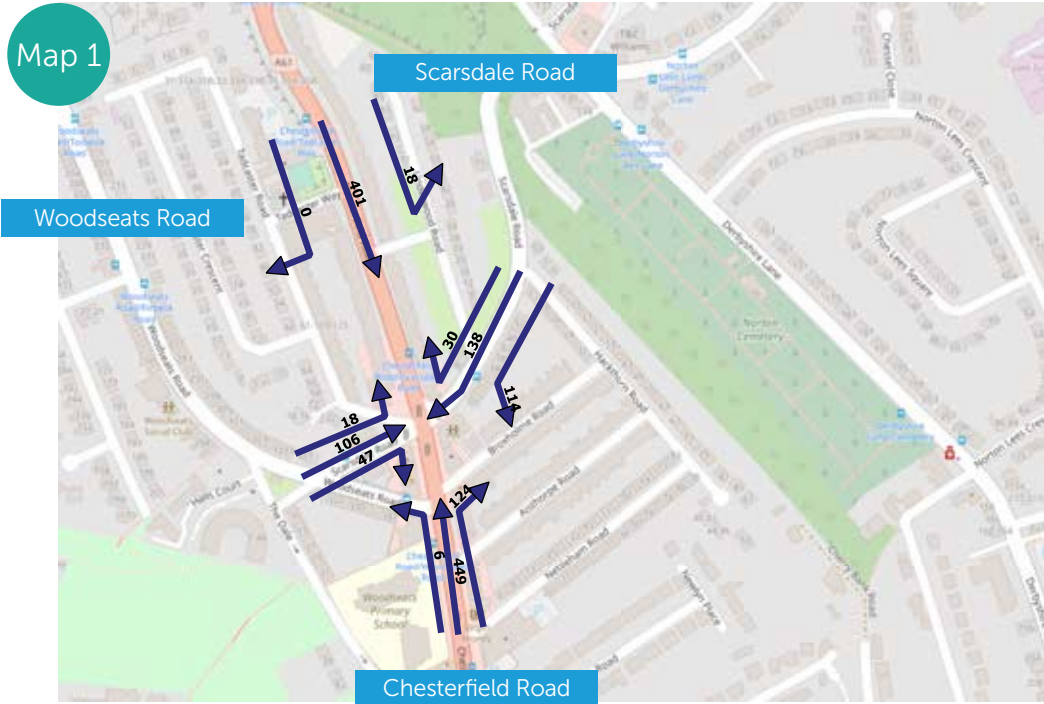
➔ Direction and number of vehicles counted at junction in November 2022

Number of motor vehicles: Chesterfield Road / Scarsdale Road morning traffic count

We counted the number of motor vehicles at the junction of Chesterfield Road and Scarsdale Road during the peak time of morning traffic, between 8am and 9am. Map 1 shows the number of vehicles counted during the survey in November 2021. Map 2 shows the number of vehicles counted during the survey in November 2022. The arrows show the direction of travel of the vehicles we counted.

Number of motor vehicles travelling through the Chesterfield Road / Scarsdale Road junction in the morning before the scheme (November 2021)

Number of motor vehicles travelling through the Chesterfield Road / Scarsdale Road junction in the morning after the scheme (November 2022)



Key
 Direction and number of vehicles counted at junction in November 2021

Key
 Direction and number of vehicles counted at junction in November 2022

Number of motor vehicles: Chesterfield Road / Scarsdale Road evening traffic count

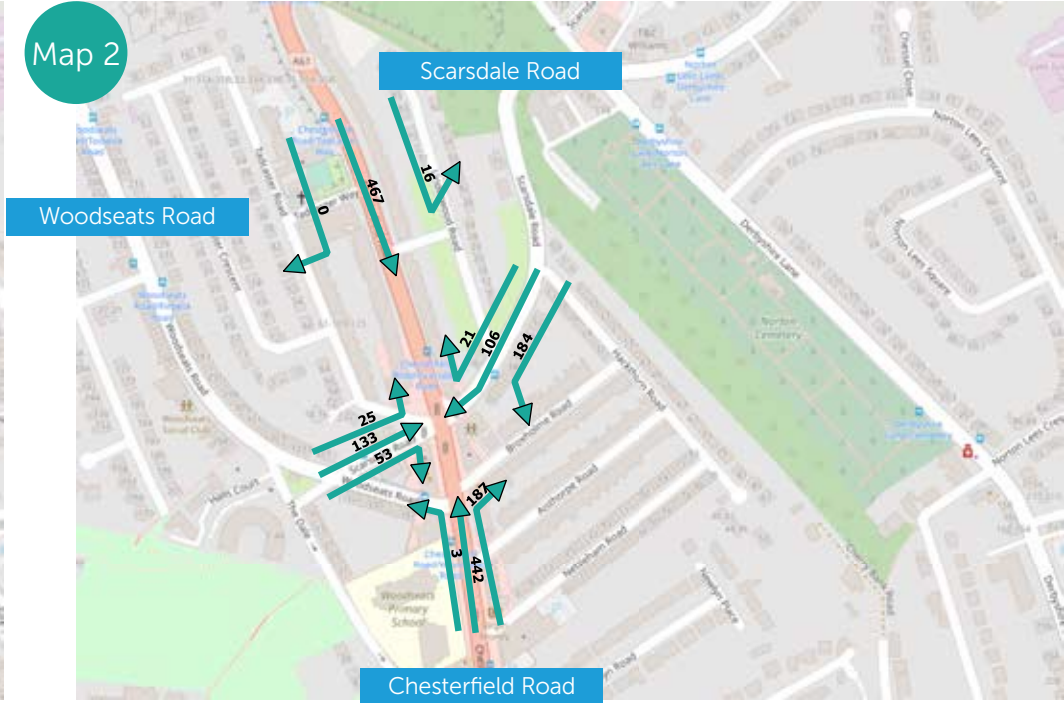
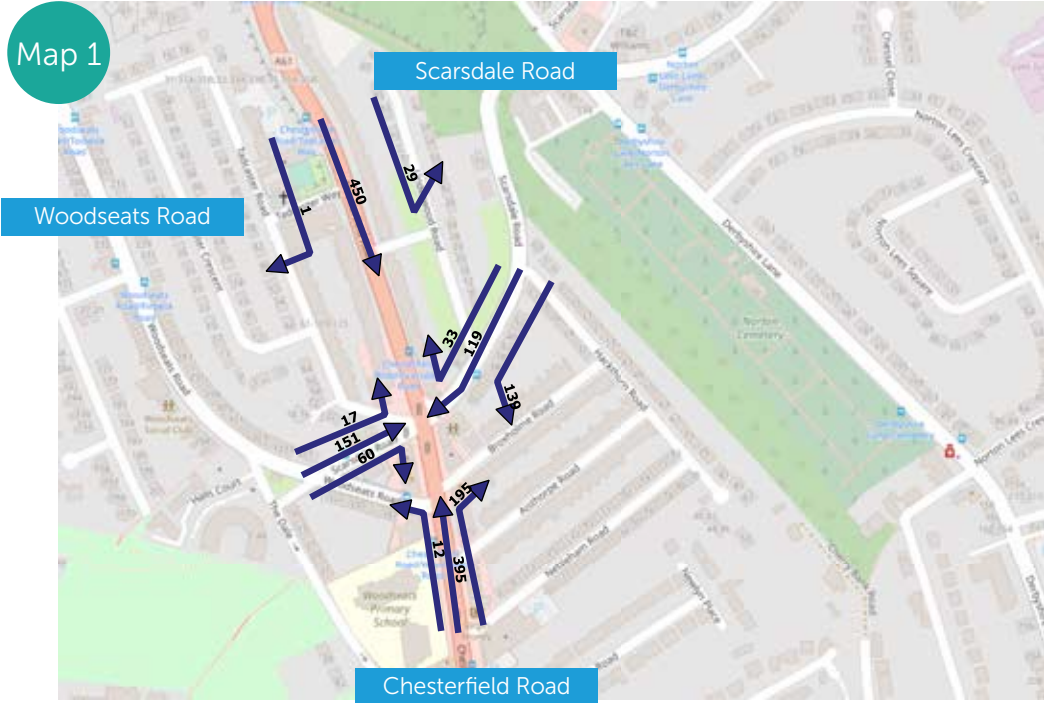
We counted the number of motor vehicles at the junction of Chesterfield Road and Scarsdale Road during the peak time of evening traffic, between 5pm and 6pm. Map 1 shows the number of vehicles counted during the survey in November 2021. Map 2 shows the number of vehicles counted during the survey in November 2022. The arrows show the direction of travel of the vehicles we counted.

Number of motor vehicles travelling through the Chesterfield Road / Scarsdale Road junction in the evening before the scheme (November 2021)

Number of motor vehicles travelling through the Chesterfield Road / Scarsdale Road junction in the evening after the scheme (November 2022)

Map 1

Map 2



Key

Key

 Direction and number of vehicles counted at junction in November 2021

 Direction and number of vehicles counted at junction in November 2022

Chesterfield Road / Scarsdale Road junction data table

We counted the number of motor vehicles passing in and out of one arm of the junction of Chesterfield Road and Scarsdale Road over a 12 hour period throughout the day, in the morning traffic peak and in the evening traffic peak, before and after the Cycle Route measures were put in place.

The table below shows these changes, both in the difference in motor vehicles counted, and the change as a percentage.

Scarsdale Road (east) – total number of motor vehicles counted passing through single arm of junction									
	12 hour before	12 hour after	% change	AM Before	AM After	% change	PM Before	PM After	% change
In	3610	3426	-5%	258	392	+52%	454	393	-13%
Out	3163	3422	+8%	282	312	+11%	291	319	-10%
Total	6773	6848	+1%	540	704	+30%	745	712	-4%