

CONNECTING SHEFFIELD

Better travel choices

Junction vehicle counts:
Heavygate Road /
Northfield Road
Section 4 of 9

Crookes and Walkley Active Neighbourhood

Traffic Monitoring Data



Heavygate Road / Northfield Road junction count - Introduction

In order to monitor and evaluate the success of the Crookes and Walkley Active Neighbourhood, we have conducted a range of traffic monitoring surveys at a number of locations across Crookes and Walkley 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 count at junctions were calculated by conducting surveys before and after the measures were put in place. The surveys prior to the Active Neighbourhood coming into effect took place in November 2021, while the surveys measuring traffic counts after the Active Neighbourhood changes came into effect took place in May 2023.

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

This is document 4 of 9, and provides an overview of the number of motor vehicles that we counted at the junction of Heavygate Road and Northfield Road via traffic monitoring surveys.

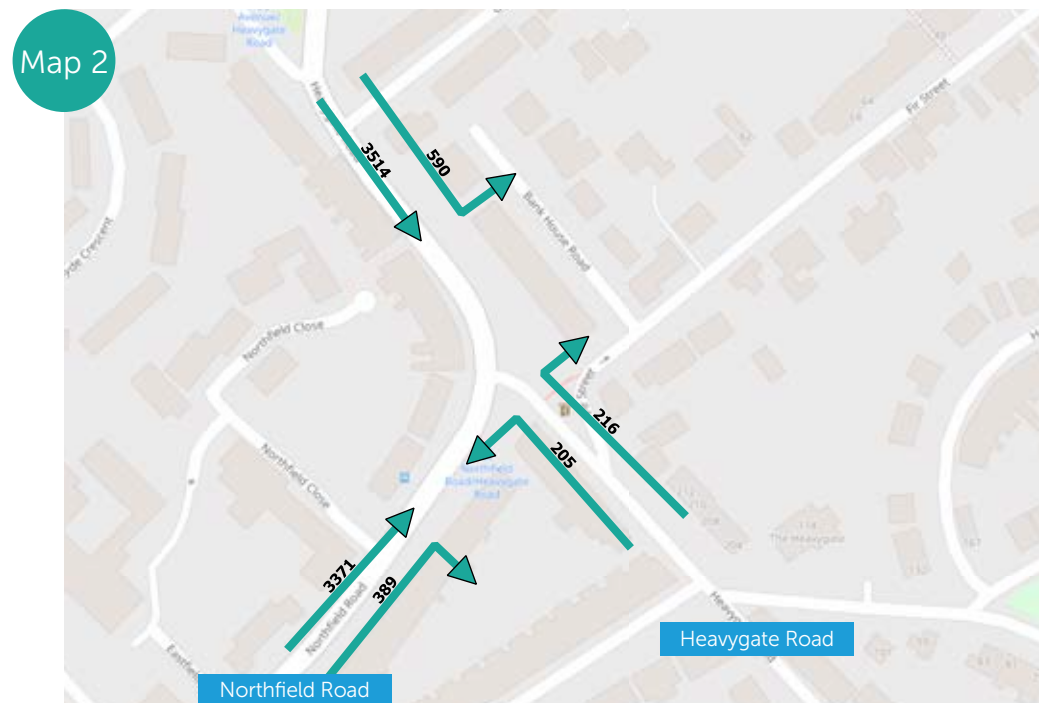
These documents have been created to illustrate changes in travel before and after the Crookes and Walkley Active Neighbourhood scheme came into effect. The full committee report on the scheme will provide context to the data presented in this document, and how it informs the recommendations on the future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

Number of motor vehicles: Heavygate Road / Northfield Road 12 hour count

We counted the number of motor vehicles at the junction of Heavygate Road and Northfield Road from 7am to 7pm.. Map 1 shows the number of vehicles counted during the 12 hour survey in November 2021. Map 2 shows the number of vehicles counted during the 12 hour survey in May 2023. The arrows show the direction of travel of the vehicles we counted.

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

Number of motor vehicles travelling through the Heavygate Road / Northfield Road junction after the scheme (May 2023)



Key

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

Key

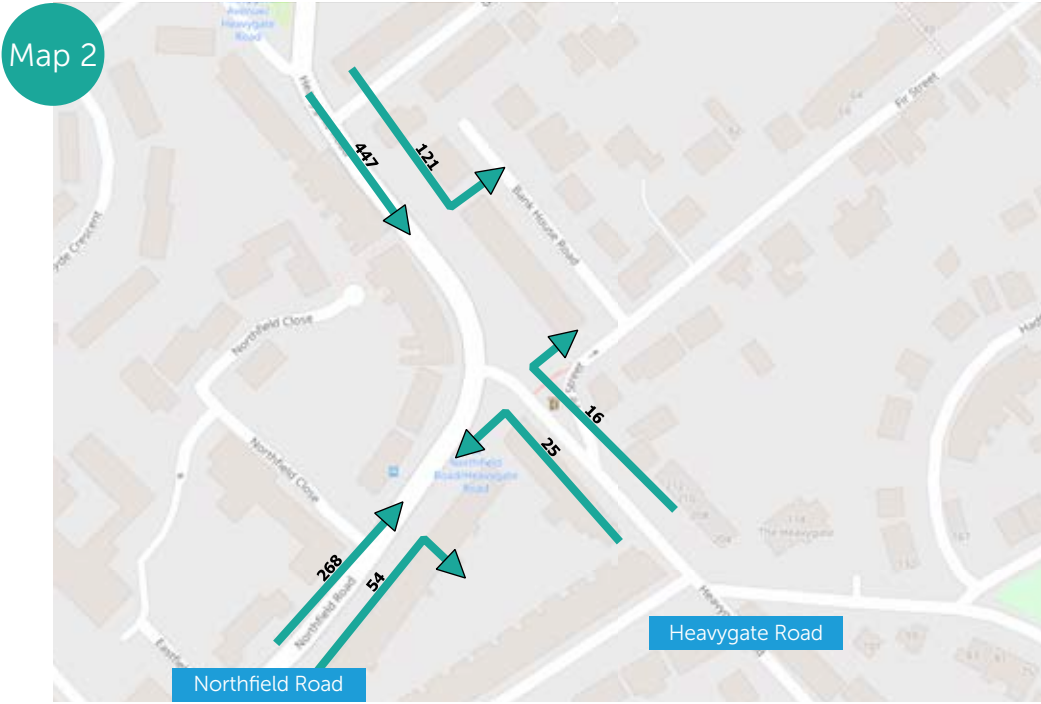
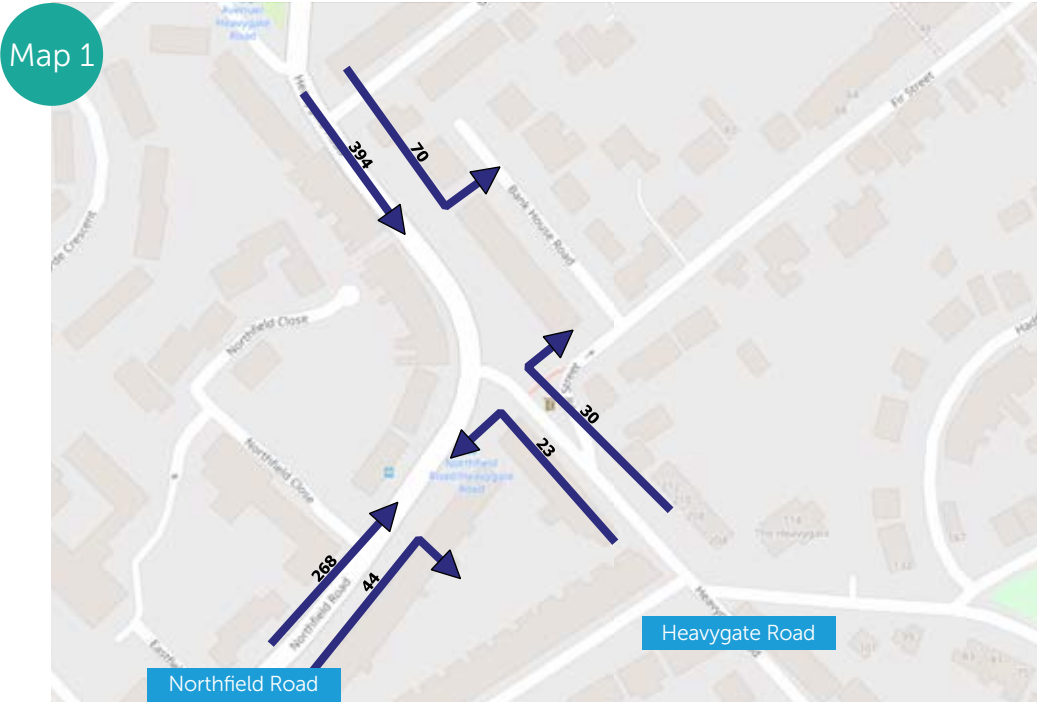
➡ Direction and number of vehicles counted at junction in May 2023

Number of motor vehicles: Heavygate Road / Northfield Road morning traffic count

We counted the number of motor vehicles at the junction of Heavygate Road and Northfield 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 May 2023. The arrows show the direction of travel of the vehicles we counted.

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

Number of motor vehicles travelling through the Heavygate Road / Northfield Road junction in the morning after the scheme (May 2023)



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

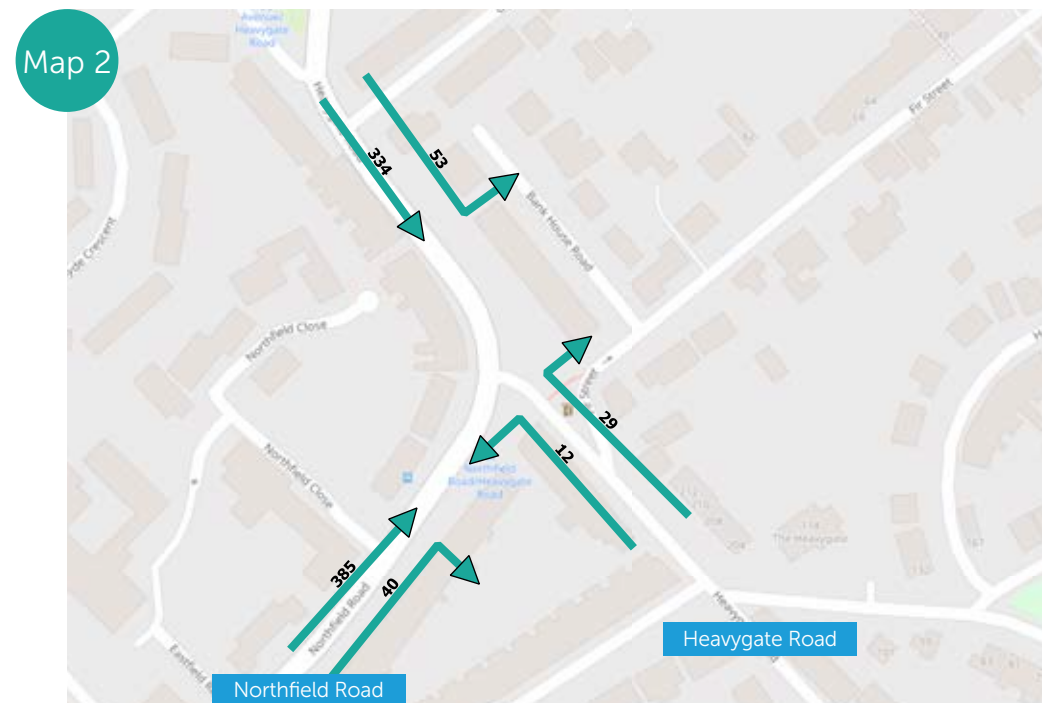
Key
 Direction and number of vehicles counted at junction in May 2023

Number of motor vehicles: Heavygate Road / Northfield Road evening traffic count

We counted the number of motor vehicles at the junction of Heavygate Road and Northfield 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 May 2023. The arrows show the direction of travel of the vehicles we counted.

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

Number of motor vehicles travelling through the Heavygate Road / Northfield Road junction in the evening after the scheme (May 2023)



Key

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

Key

➡ Direction and number of vehicles counted at junction in May 2023

Heavygate Road / Northfield Road junction data table

We counted the number of motor vehicles passing in and out of the Heavygate Road arm of the Heavygate Road and Northfield Road junction over a 12 hour period throughout the day, in the morning traffic peak and in the evening traffic peak, before and after the Active Neighbourhood 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.

Heavygate 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	911	979	+7%	114	175	+54%	114	93	-18%
Out	495	421	-15%	53	41	-23%	54	41	-24%
Total	1406	1400	-<1%	167	216	+29%	168	134	-20%