

CONNECTING SHEFFIELD

Better travel choices

Junction vehicle counts:
Walkley Road / South Road /
Greenhow Street
Section 5 of 9

Crookes and Walkley Active Neighbourhood

Traffic Monitoring Data



Walkley Road / South Road / Greenhow Street 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 5 of 9, and provides an overview of the number of motor vehicles that we counted at the junctions of Walkley Road and South Road, and South Road and Greenhow Street, 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: Walkley Road / South Road 12 hour count

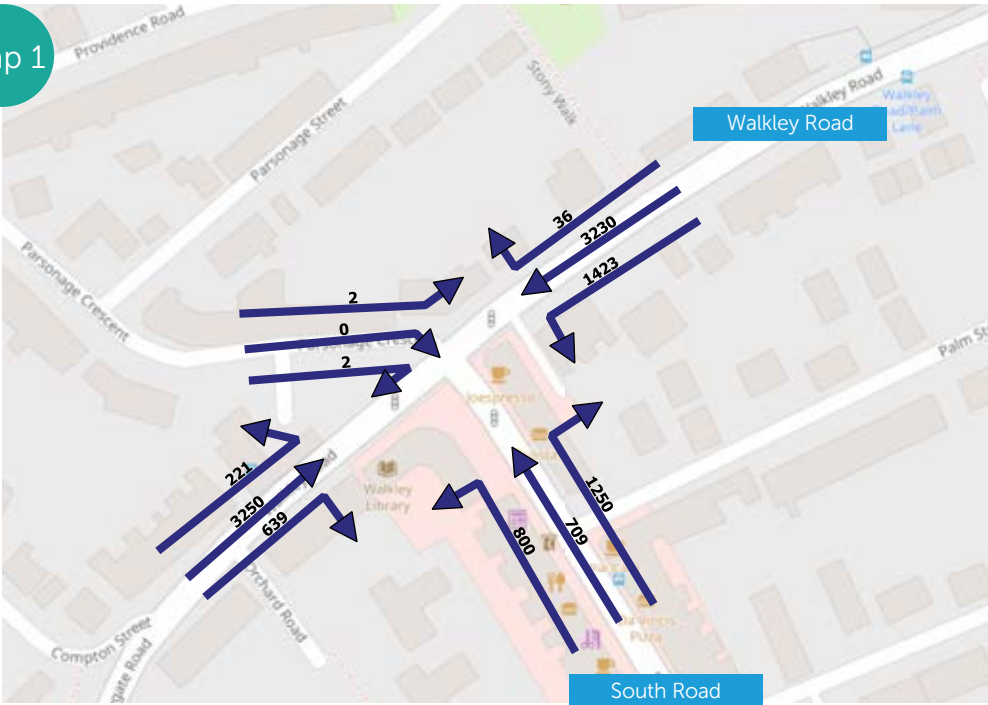
We counted the number of motor vehicles at the junction of Walkley Road and South Road from 7am to 7pm.. Map 1 shows the number of vehicles counted during the 12 hour survey in November 2021. Map 2 shows the number of vehicles counted during the 12 hour survey in May 2023. The arrows show the direction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

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

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

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 May 2023

Number of motor vehicles: Walkley Road / South Road Road morning traffic count

We counted the number of motor vehicles at the junction of Walkley Road and South 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 Walkley Road / South Road junction in the morning before the scheme (November 2021)

Number of motor vehicles travelling through the Walkley Road / South 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: Walkley Road / South Road evening traffic count

We counted the number of motor vehicles at the junction of Walkley Road and South 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 Walkley Road / South Road junction in the evening before the scheme (November 2021)

Number of motor vehicles travelling through the Walkley Road / South 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

Walkley Road / South Road junction data table

We counted the number of motor vehicles passing in and out of the South Road arm of the Walkley Road and South 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.

South 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	2062	2335	+13%	257	308	+20%	146	144	-1%
Out	2759	2858	+4%	193	213	+10%	364	420	+15%
Total	4821	5193	+8%	450	521	+16%	510	564	-11%

Number of motor vehicles: South Road / Greenhow Street 12 hour count

We counted the number of motor vehicles at the junction of the South Road and Greenhow Street 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 South Road / Greenhow Street junction before the scheme (November 2021)

Number of motor vehicles travelling through the the South Road / Greenhow Street junction after the scheme (May 2023)



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

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

Number of motor vehicles: South Road / Greenhow Street morning traffic count

We counted the number of motor vehicles at the junction of South Road and Greenhow Street, 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 South Road / Greenhow Street junction in the mornings before the scheme (November 2021)

Number of motor vehicles travelling through the South Road / Greenhow Street junction in the mornings after the scheme (May 2023)



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

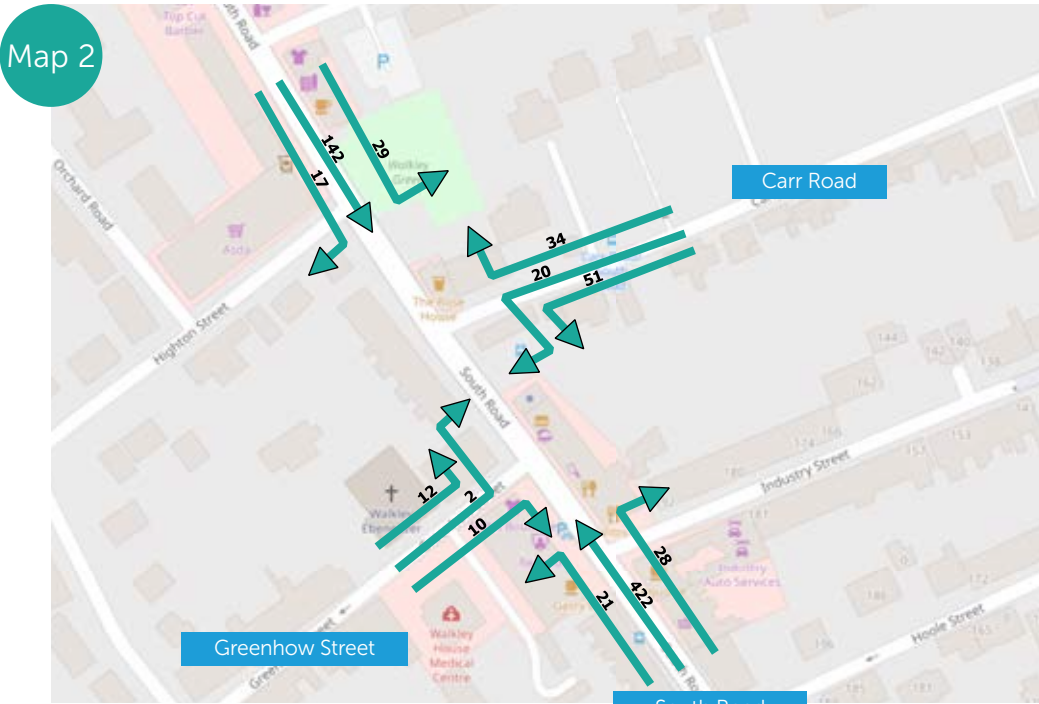
Key
 Direction and number of vehicles counted at junction in May 2023

Number of motor vehicles: South Road / Greenhow Street evening traffic count

We counted the number of motor vehicles at the junction of South Road and Greenhow Street, 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 South Road / Greenhow Street junction in the evenings before the scheme (November 2021)

Number of motor vehicles travelling through the South Road / Greenhow Street junction in the evenings 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

South Road / Greenhow Street junction data table

We counted the number of motor vehicles passing in and out of the Greenhow Street arm of the South Road and Greenhow Street 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.

Greenhow Street – 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	360	429	+19%	30	29	-3%	42	58	+38%
Out	468	188	-60%	49	12	-76%	35	24	-31%
Total	828	617	-25%	79	41	-48%	77	82	+6%