

CONNECTING SHEFFIELD

Better travel choices

Junction vehicle counts:
Bannerdale Road / Brincliffe
Edge Road
Section 4 of 9

Nether Edge Active Neighbourhood

Traffic Monitoring Data



Bannerdale Road / Brincliffe Edge Road / Abbeydale Road junction count - Introduction

In order to monitor and evaluate the success of the Nether Edge Active Neighbourhood, we have conducted a range of traffic monitoring surveys at a number of locations across Nether Edge 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, or where we received feedback in the public consultation on the scheme.

Changes to vehicle counts at junctions were calculated by taking the average of two surveys before and after the measures were put in place. The surveys prior to the Active Neighbourhood coming into effect took place in May 2022, 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 junctions of Bannerdale Road and Brincliffe Edge Road, and Bannerdale Road and Abbeydale Road, via traffic monitoring surveys.

These documents have been created to illustrate changes in travel before and after the Nether Edge 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: Bannerdale Road / Brincliffe Edge Road 12 hour count

We counted the number of motor vehicles at the junction of Bannerdale Road and Brincliffe Edge Road from 7am to 7pm. Map 1 shows the average number of vehicles counted during the surveys in May 2022. Map 2 shows the average number of vehicles counted during the surveys in May 2023. The arrows show the direction of travel of the vehicles we counted.

2 day average number of motor vehicles travelling through the Bannerdale Road / Brincliffe Edge Road junction before the scheme (May 2022)



Key

 Direction and number of vehicles counted at junction in May 2022

2 day average number of motor vehicles travelling through the Bannerdale Road / Brincliffe Edge Road junction after the scheme (May 2023)



Key

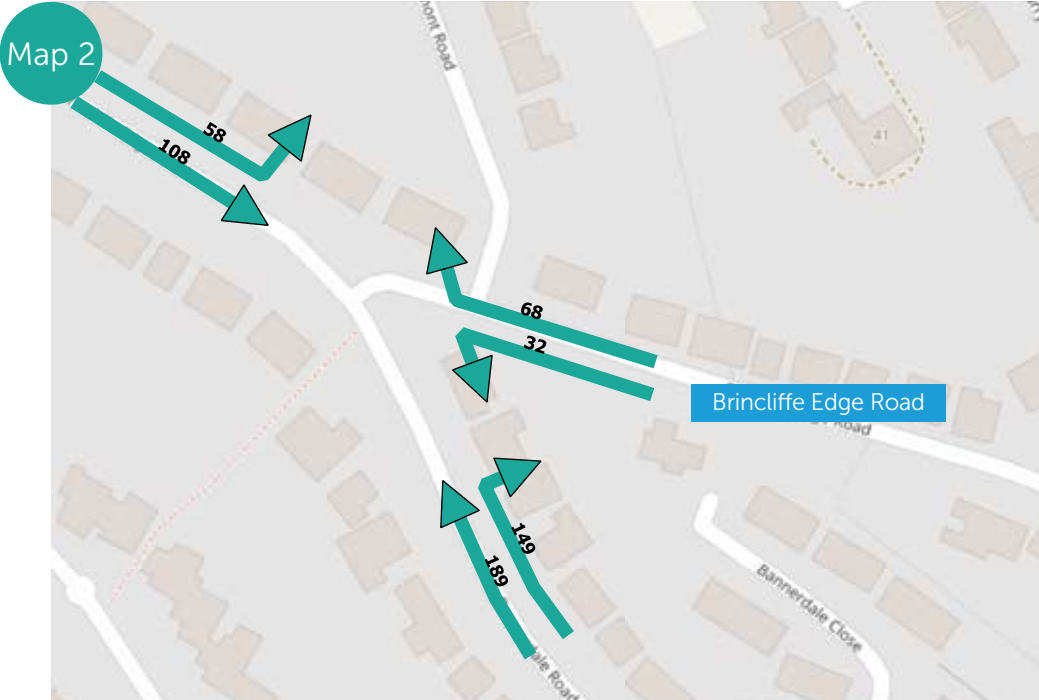
 Direction and number of vehicles counted at junction in May 2023

Number of motor vehicles: Bannerdale Road / Brincliffe Edge Road morning traffic count

We counted the number of motor vehicles at the junction of Bannerdale Road and Brincliffe Edge Road during the peak time of morning traffic, between 8am and 9am. Map 1 shows the average number of vehicles counted during the surveys in May 2022. Map 2 shows the average number of vehicles counted during the surveys in May 2023. The arrows show the direction of travel of the vehicles we counted.

2 day average number of motor vehicles travelling through the Bannerdale Road / Brincliffe Edge Road junction in the mornings before the scheme (May 2022)

2 day average number of motor vehicles travelling through the Bannerdale Road / Brincliffe Edge Road junction in the mornings after the scheme (May 2023)



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

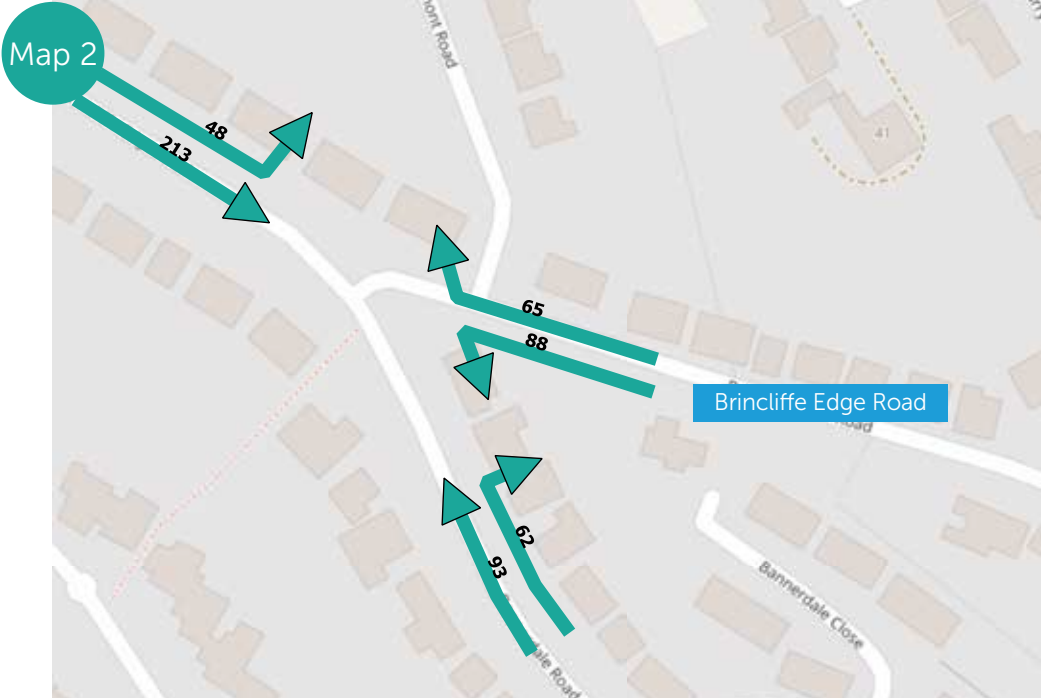
Key
 Direction and number of vehicles counted at junction in May 2023

Number of motor vehicles: Bannerdale Road / Brincliffe Edge Road evening traffic count

We counted the number of motor vehicles at the junction of Bannerdale Road and Brincliffe Edge Road during the peak time of evening traffic, between 5pm and 6pm. Map 1 shows the average number of vehicles counted during the surveys in May 2022. Map 2 shows the average number of vehicles counted during the surveys in May 2023. The arrows show the direction of travel of the vehicles we counted.

2 day average number of motor vehicles travelling through the Bannerdale Road / Brincliffe Edge Road junction in the evenings before the scheme (May 2022)

2 day average of motor vehicles travelling through the Bannerdale Road / Brincliffe Edge Road junction in the evenings after the scheme (May 2023)



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

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

Bannerdale Road / Brincliffe Edge Road junction data table

We counted the average number of motor vehicles passing in and out of the Brincliffe Edge Road arm of the Bannerdale Road and Brincliffe Edge Road junction over a 12 hour period in the morning traffic peak and in the evening traffic peak, over two days 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.

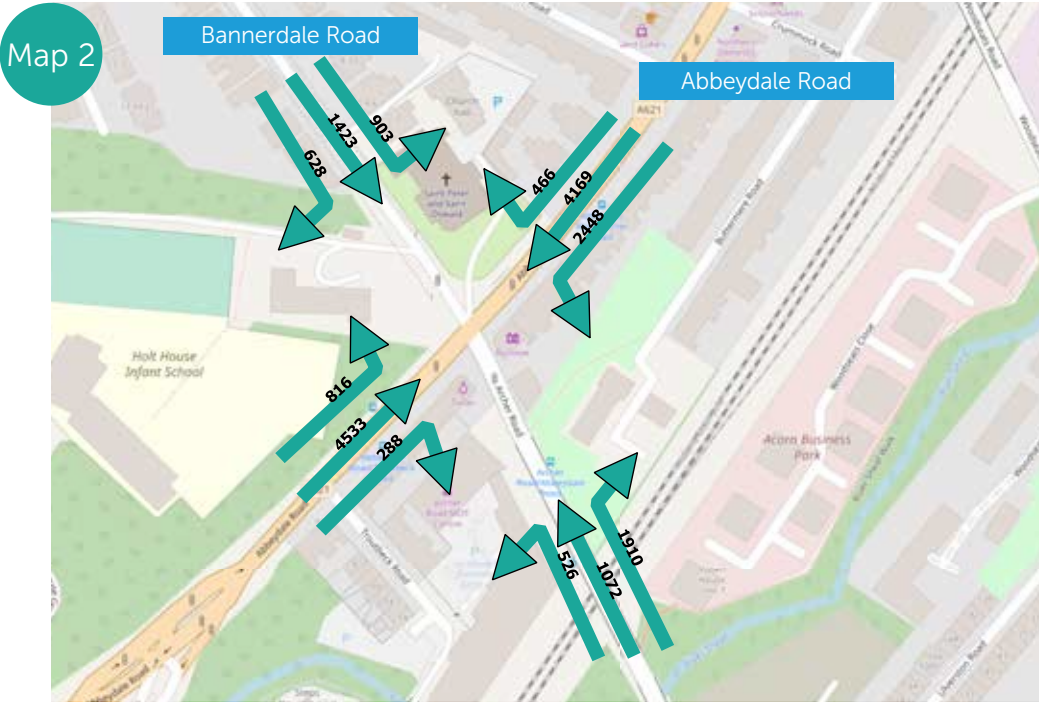
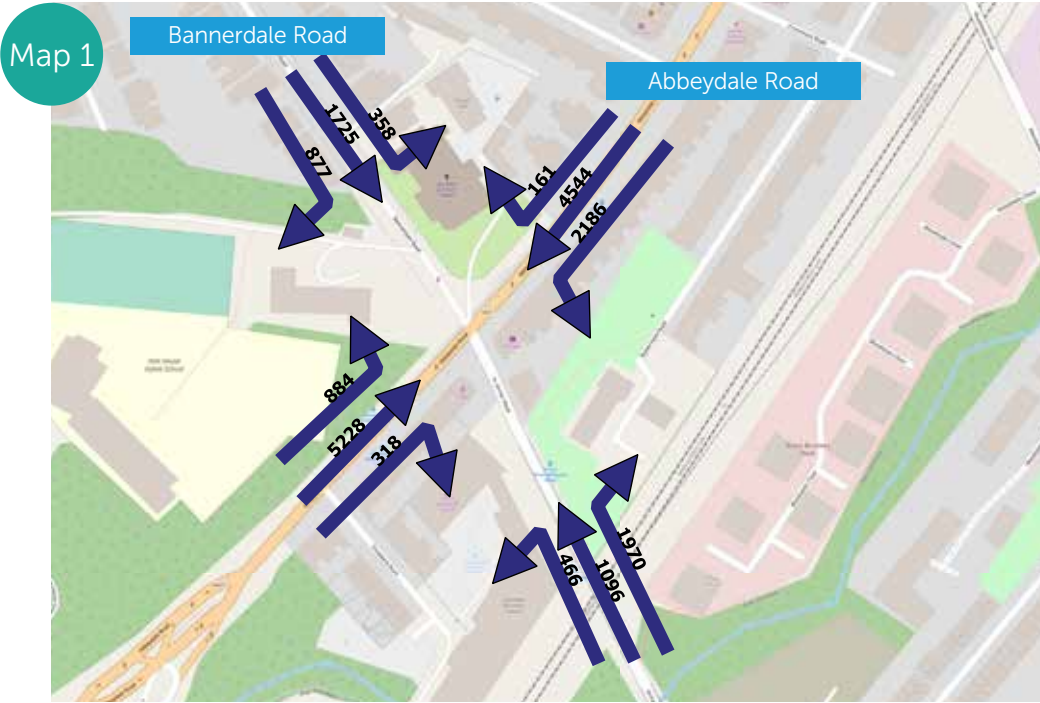
Brincliffe Edge Road (east) – average number of motor vehicles counted passing through arm of junction									
	12 hour before	12 hour after	% change	AM Before	AM After	% change	PM Before	PM After	% change
In	510	900	+76%	90	207	+130%	53	110	+108%
Out	553	946	+71%	67	100	+49%	64	153	+139%
Total	1063	1848	+74%	157	307	+96%	117	263	+125%

Number of motor vehicles: Bannerdale Road / Abbeydale Road 12 hour count

We counted the number of motor vehicles at the junction of Bannerdale Road and Abbeydale Road from 7am to 7pm. Map 1 shows the average number of vehicles counted during the surveys in May 2022. Map 2 shows the average number of vehicles counted during the surveys in May 2023. The arrows show the direction of travel of the vehicles we counted.

2 day average number of motor vehicles travelling through the Bannerdale Road / Abbeydale Road junction before the scheme (May 2022)

2 day average number of motor vehicles travelling through the Bannerdale Road / Abbeydale Road junction after the scheme (May 2023)



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

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

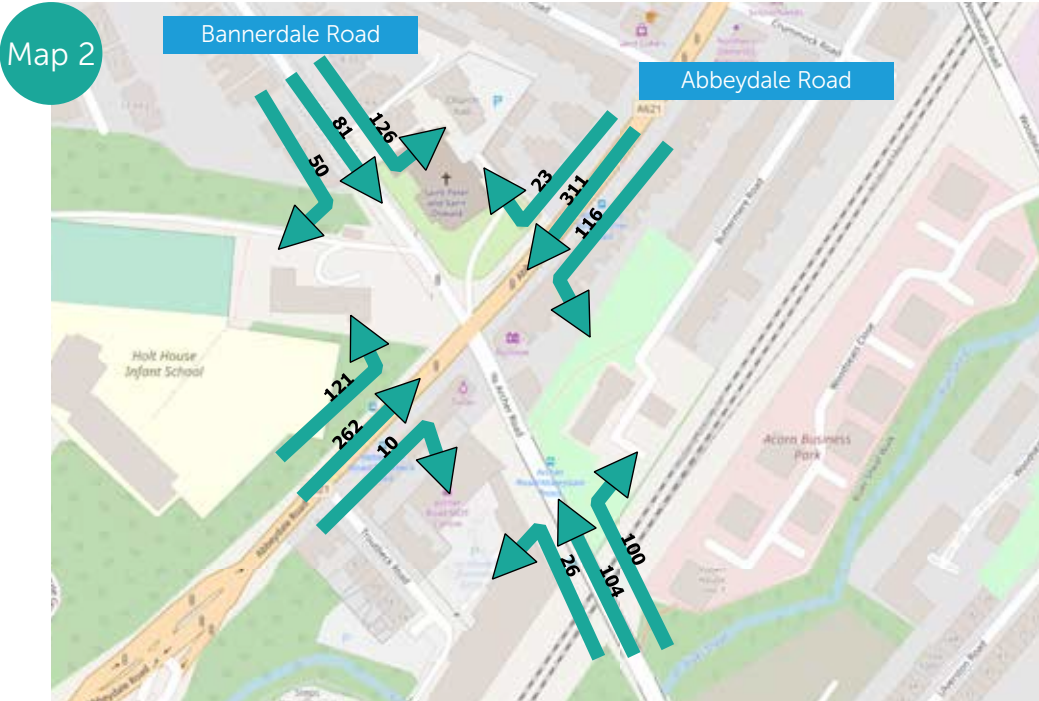
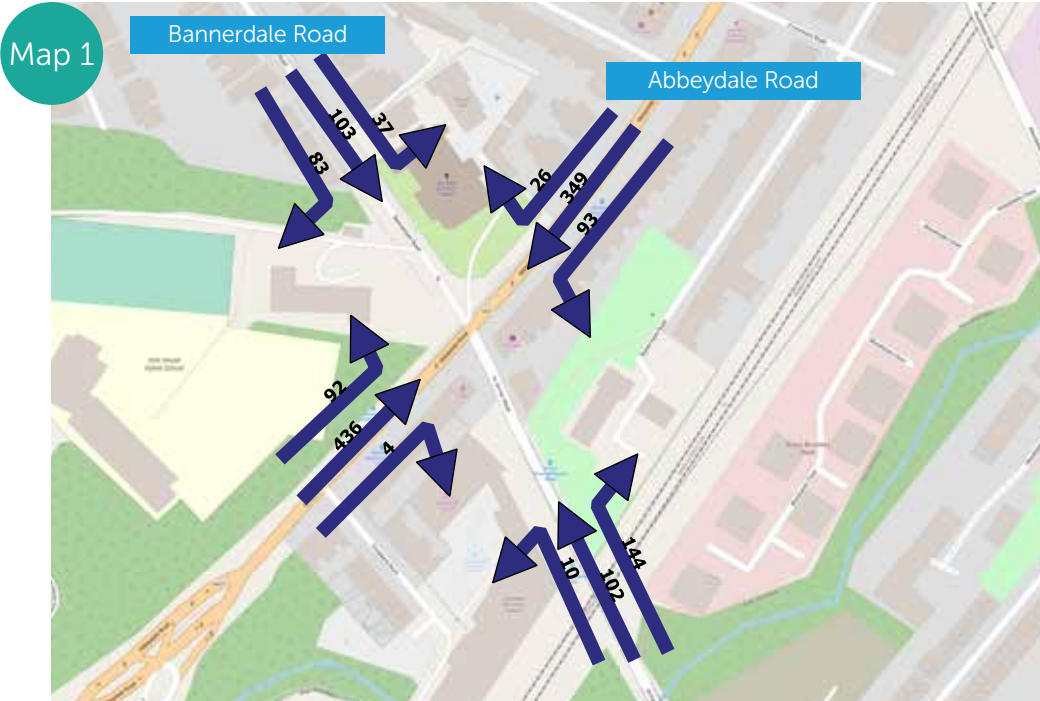
*The data here may be influenced by a gas leak that occurred at this junction on one of the days we conducted traffic monitoring.

Number of motor vehicles: Bannerdale Road / Abbeydale Road morning traffic count

We counted the number of motor vehicles at the junction of Bannerdale Road and Abbeydale Road during the peak time of morning traffic, between 8am and 9am. Map 1 shows the average number of vehicles counted during the surveys in May 2022. Map 2 shows the average number of vehicles counted during the surveys in May 2023. The arrows show the direction of travel of the vehicles we counted.

2 day average number of motor vehicles travelling through the Bannerdale Road / Abbeydale Road junction in the mornings before the scheme (May 2022)

2 day average number of motor vehicles travelling through the Bannerdale Road / Abbeydale Road junction in the mornings after the scheme (May 2023)



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

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

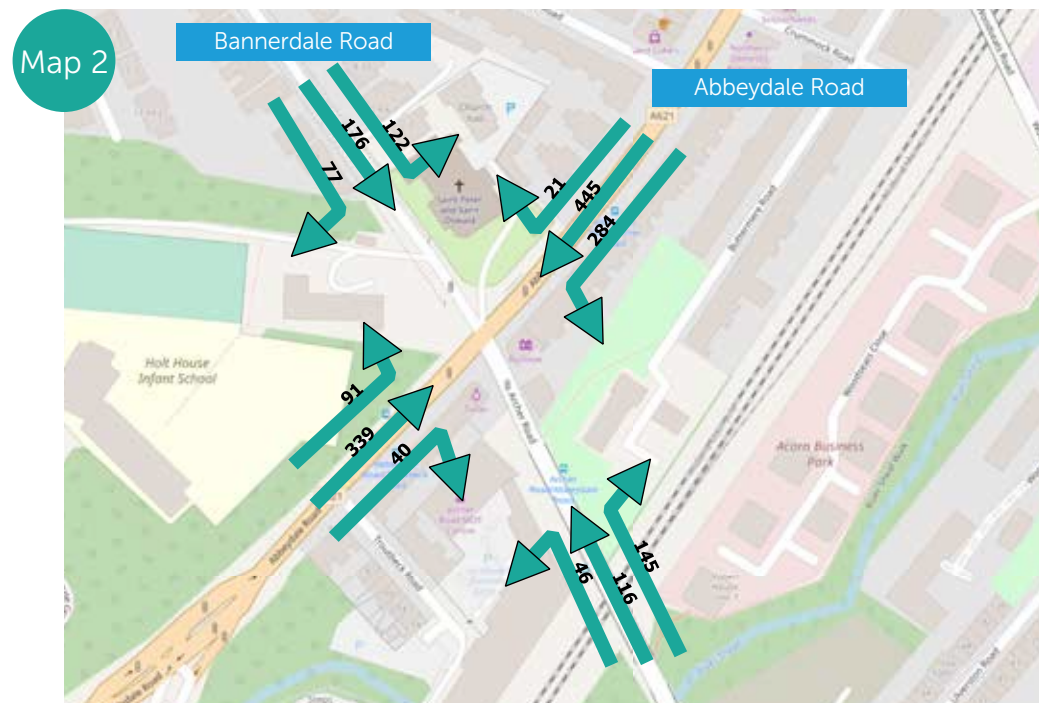
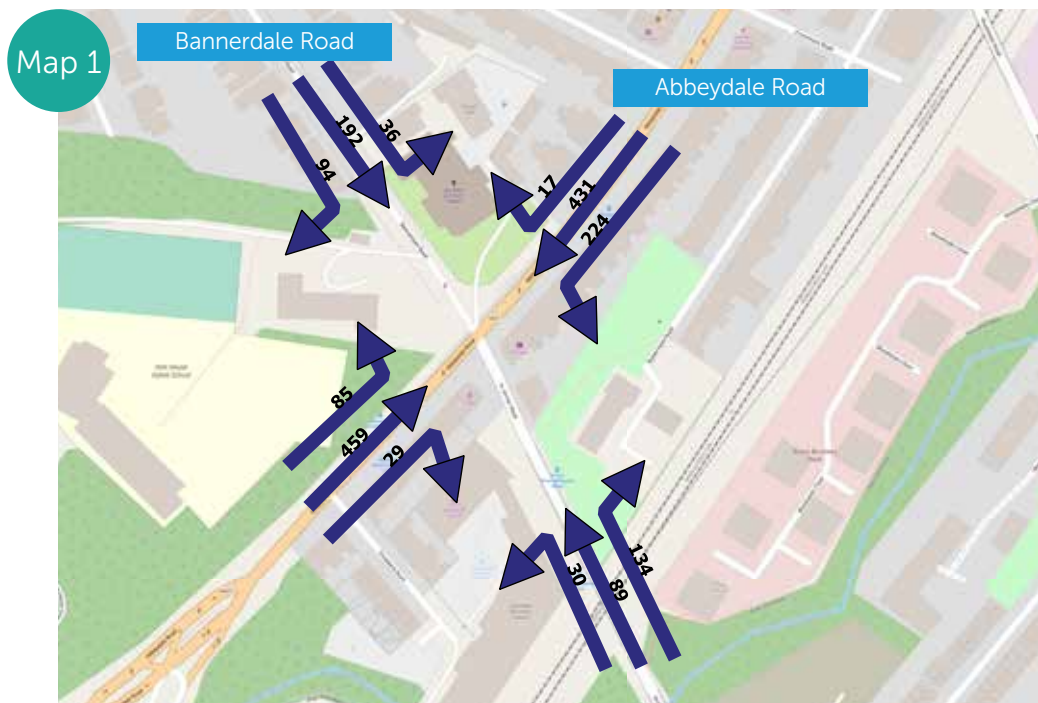
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Number of motor vehicles: Bannerdale Road / Abbeydale Road evening traffic count

We counted the number of motor vehicles at the junction of Bannerdale Road and Abbeydale Road during the peak time of evening traffic, between 5pm and 6pm. Map 1 shows the average number of vehicles counted during the surveys in May 2022. Map 2 shows the average number of vehicles counted during the surveys in May 2023. The arrows show the direction of travel of the vehicles we counted.

2 day average of motor vehicles travelling through the Bannerdale Road / Abbeydale Road junction in the evenings before the scheme (May 2022)

2 day average of motor vehicles travelling through the Bannerdale Road / Abbeydale Road junction in the evenings after the scheme (May 2023)



Key

 Direction and number of vehicles counted at junction in May 2022

Key

 Direction and number of vehicles counted at junction in May 2023

*The data here may be influenced by a gas leak that occurred at this junction on one of the days we conducted traffic monitoring.

Bannerdale Road / Abbeydale Road junction data table

We counted the average number of motor vehicles passing in and out of the Bannerdale Road arm of the Bannerdale Road and Abbeydale Road junction over a 12 hour period in the morning traffic peak and in the evening traffic peak, over two days 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.

Bannerdale Road – average number of motor vehicles counted passing through arm of junction									
	12 hour before	12 hour after	% change	AM Before	AM After	% change	PM Before	PM After	% change
In	2141	2354	+10%	220	248	+13%	191	228	+19%
Out	2960	2954	-<1%	223	257	+15%	322	375	+16%
Total	5101	5308	+4%	443	505	+14%	513	603	+18%