

# CONNECTING SHEFFIELD

Better travel choices

Journey Times – Crookes  
Road and Crookesmoor Road  
Section 8 of 9

# Crookes and Walkley Active Neighbourhood

## Traffic Monitoring Data



# | Journey times: Crookes Road / South Road / Crookesmoor Road - Introduction

Alongside the traffic monitoring surveys, we also looked at journey time data sourced by The Flow, who specialise in black-box telematics data, to better understand motor vehicle movement in the Crookes and Walkley area. These surveys may be useful in supporting conclusions drawn from the wider traffic monitoring surveys.

Journey time data was taken from black-box equipped motor vehicles as they travelled along the route, before and after the Crookes and Walkley Active Neighbourhood measures were put in place.

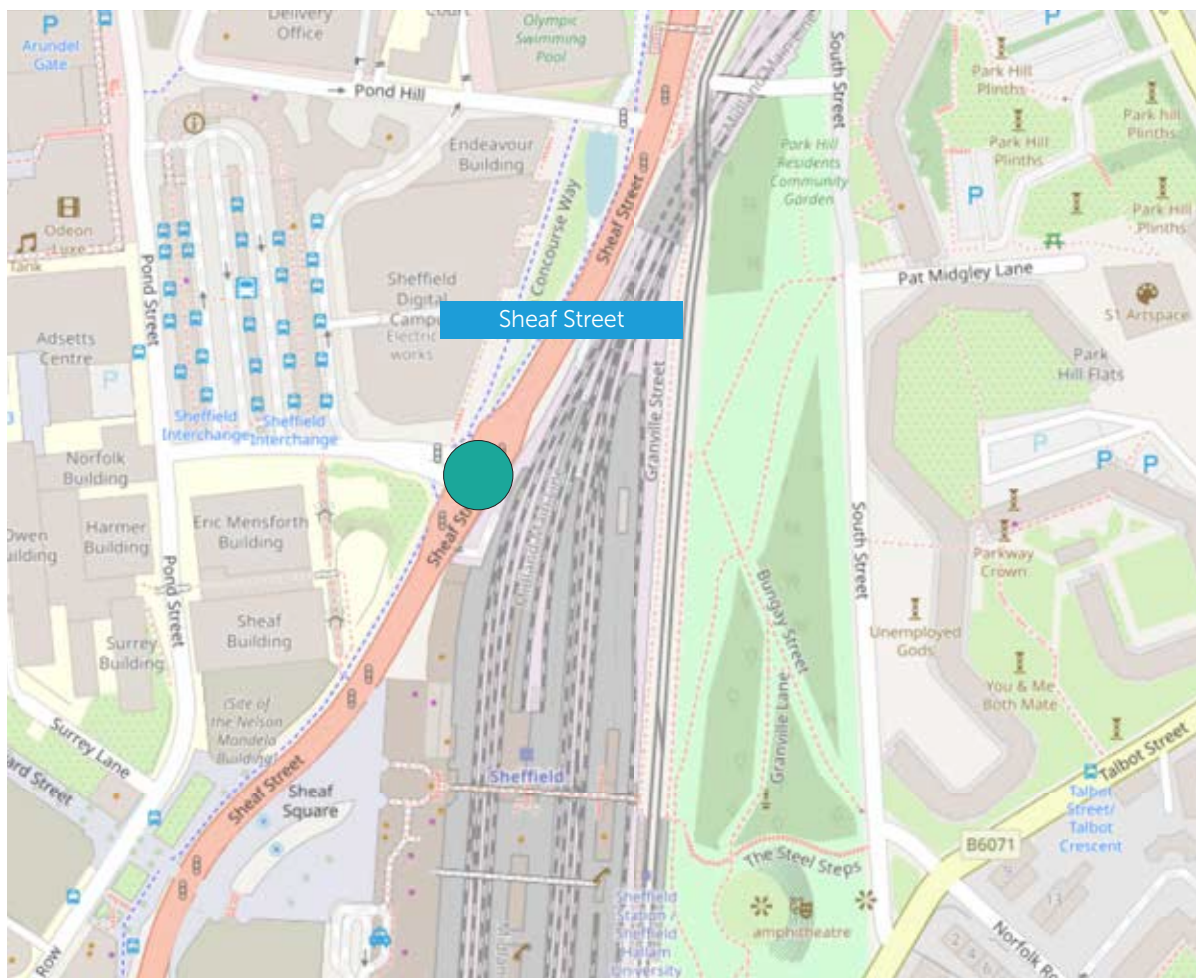
Data was gathered over a period of 2-3 months on two separate occasions before and after the measures were put in place. The data gathering prior to the Active Neighbourhood coming into effect took place in September-November 2021 and March-April 2022, while the data gathering after the Active Neighbourhood changes came into effect took place in September-November 2022, and March-April 2023.

Journey time data is based on a sample of journeys along the route, presented in the maps below. As well as these average journey times, we also looked at the 10th and 90th percentile journey times from the sample. These have been defined as the 10% shortest journeys and 10% longest journeys for simplicity.

This is document 8 of 9, and provides an overview of the changes in journey times for motor vehicles travelling along Crookes Road, South Road and Crookesmoor Road. Each route will be split into two slides, the first showing the map of the route, and the second showing the data in a table.

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.

# Change in motor vehicle count at city control site



We counted the number of motor vehicles passing through Sheaf Street before and after the implementation of the Active Neighbourhood.

Changes in motor vehicle traffic at a key central road or junction such as Sheaf Street are useful indicators of changes in motor vehicle trends on a city-wide level, serving as useful control test sites to compare local traffic trends with city-wide traffic trends.

We looked at the Sheaf Street control site again, taking 12 hour traffic counts here alongside the journey time surveying on Abbeydale Road, both before and after the Active Neighbourhood measures were put in.

Key

 Location of traffic control site on Sheaf Street

Control site –daily traffic counts taken at the same time periods as the journey time data

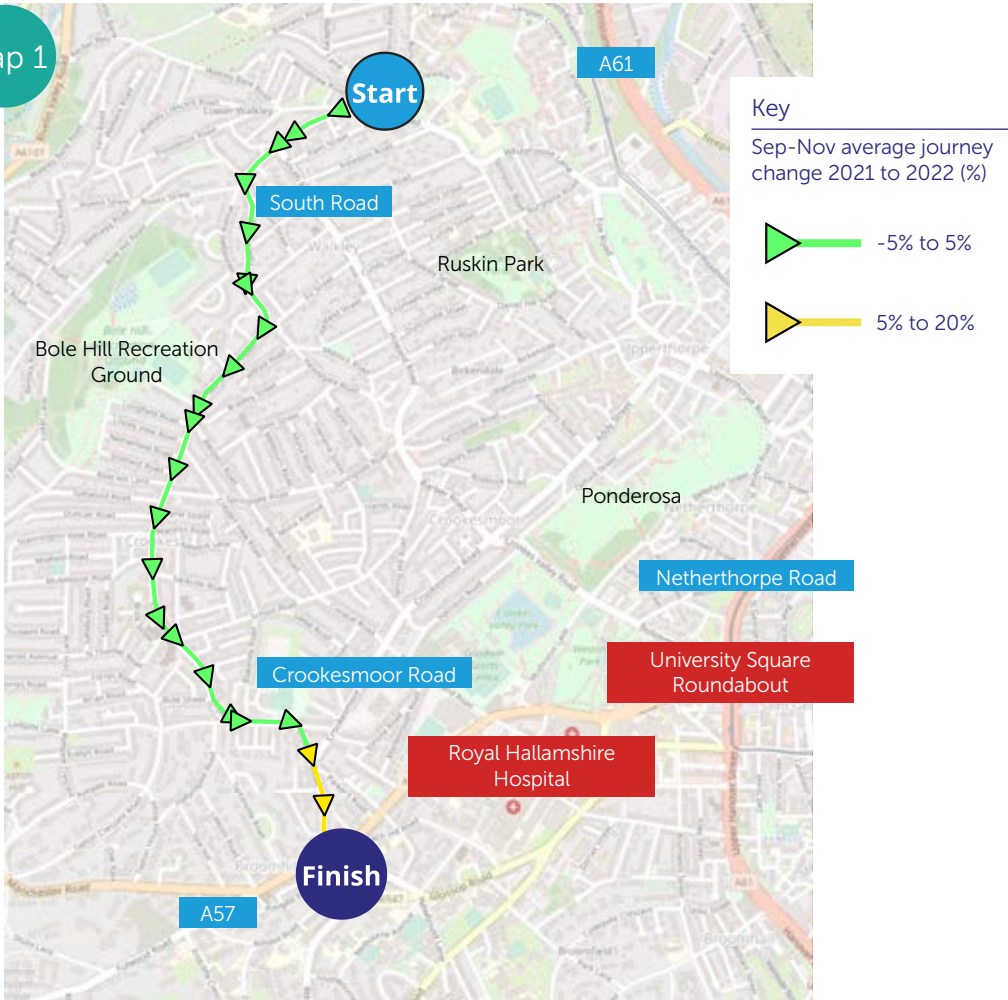
	Sep – Nov 2021	Sep – Nov 2022	% change	Mar – Apr 2022	Mar – Apr 2023	% change
Total	40,558	39,852	-2%	38,823	39,743	2%



# Crookes Road southbound

September - November 2021 to 2022

Map 1

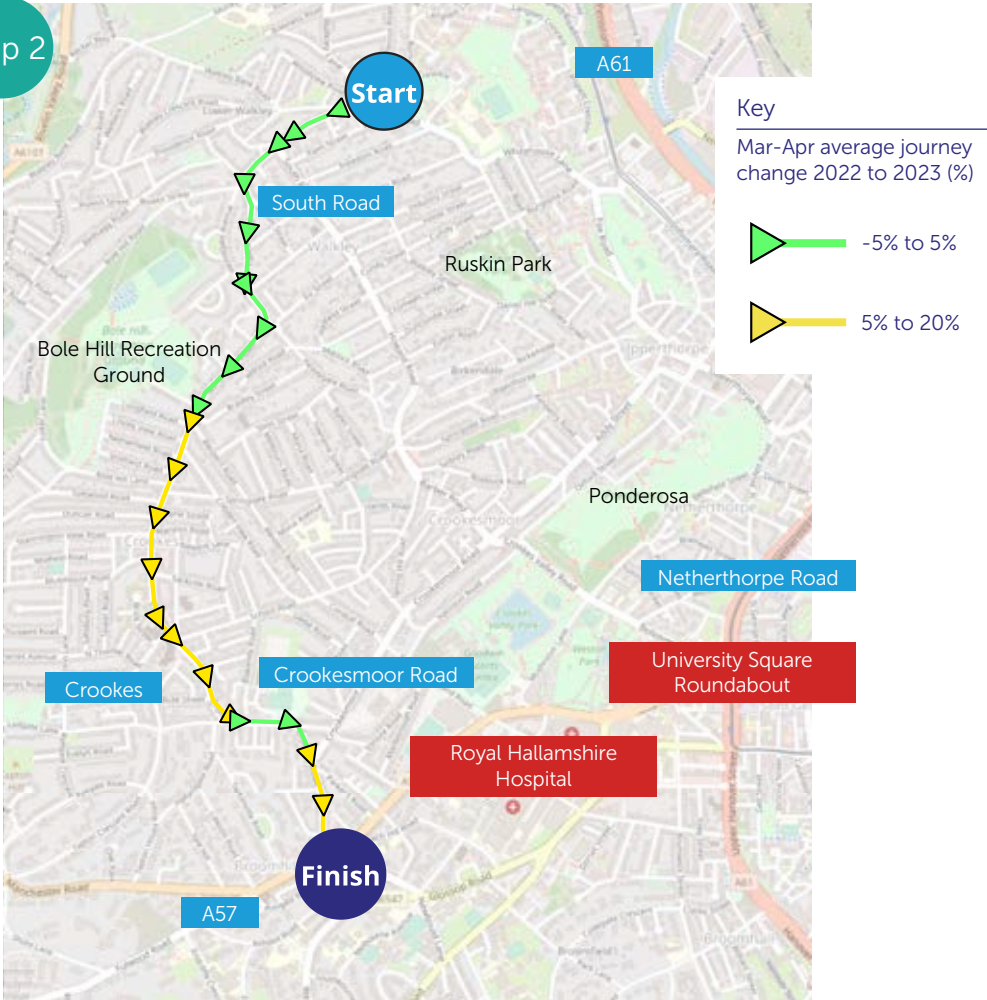


Sep - Nov 2021 avg total journey time (mm:ss)  
Crookes Road - 05:15

Sep - Nov 2022 avg total journey time (mm:ss)  
Crookes Road - 05:25 **(3% increase)**

March - April 2022 to 2023

Map 2



Mar - Apr 2022 avg total journey time (mm:ss)  
Crookes Road - 05:01

Mar - Apr 2023 avg total journey time (mm:ss)  
Crookes Road - 05:21 **(7% increase)**

\*These maps show the change in journey times for vehicles travelling southbound on Crookes Road between September to November 2021 and 2022, and March to April 2022 and 2023. The arrows show changes to the average journey time at each stage of the route. Data and an explanation can be found on the next page.

# Crookes Road southbound - Journey times

The change in journey times heading southbound on Crookes Road in September-November and March-April can be seen here. With the Active Neighbourhood measures coming into effect in May 2022, data from two separate month groups either side of the changes going into place has been analysed. This shows the change in journey times on southbound journeys on Crookes Road since the changes were implemented. Looking at two different month groups helps to mitigate potential margins of error arising from the impacts of seasonal variance on journey times.

We also looked at changes in the top 10% longest and the top 10% shortest journeys in order to see how travel times changed for the fastest and slowest journeys along the route.

The 10% shortest journey times broadly mirrored the changes in average journey time, increasing by 3% in the September-November month groups, and by 6% in the March-April month groups. The 10% longest journeys saw more pronounced change, increasing by 15% in September-November and 13% in the March-April month groups.

The average journey time increased in both month groups, with journeys in the September-November months increasing by an average of 3% after the Active Neighbourhood measures were put in place, and 7% in the March-April months.

Journey time (mm:ss)	Sep-Nov 2021	Sep-Nov 2022	% change	Mar-Apr 2022	Mar-Apr 2023	% change
Average	05:15	05:25	+3%	05:01	05:21	+7%
10% shortest	03:55	04:01	+3%	03:46	03:59	+6%
10% longest	07:49	09:00	+15%	07:24	08:22	+13%

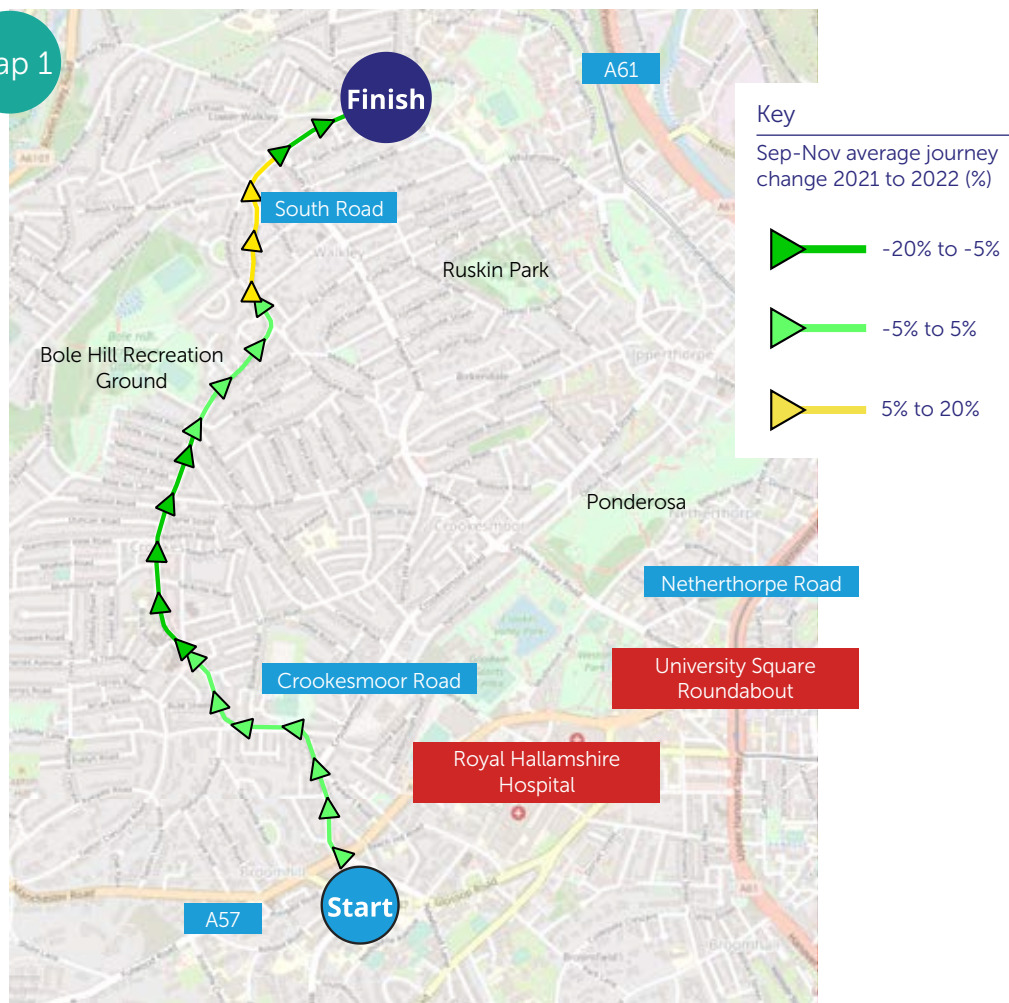


# Crookes Road northbound

September - November 2021 to 2022

March - April 2022 to 2023

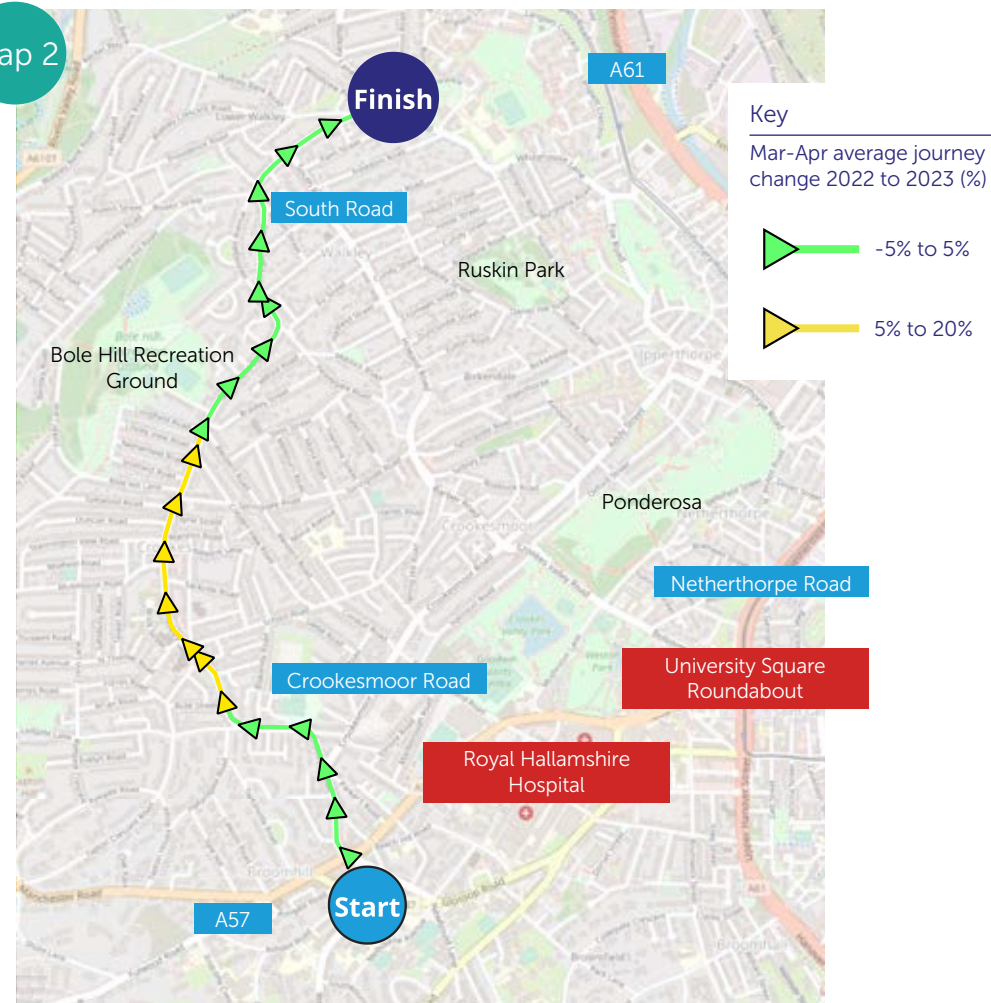
Map 1



Sep - Nov 2021 avg total journey time (mm:ss)  
Crookes Road - 04:46

Sep - Nov 2022 avg total journey time (mm:ss)  
Crookes Road - 04:50 (**1% increase**)

Map 2



Mar - Apr 2022 avg total journey time (mm:ss)  
Crookes Road - 04:42

Mar - Apr 2023 avg total journey time (mm:ss)  
Crookes Road - 04:51 (**3% increase**)

\*These maps show the change in journey times for vehicles travelling northbound on Crookes Road between September to November 2021 and 2022, and March to April 2022 and 2023. The arrows show changes to the average journey time at each stage of the route. Data and an explanation can be found on the next page.

# Crookes Road northbound - Journey times

The change in journey times heading northbound on Crookes Road in September-November and March-April can be seen here. With the Active Neighbourhood measures coming into effect in May 2022, data from two separate month groups either side of the changes going into place has been analysed. This shows the change in journey times on northbound journeys on Crookes Road since the changes were implemented.. Looking at two different month groups helps to mitigate potential margins of error arising from the impacts of seasonal variance on journey times.

The average journey time increased in both month groups, with journeys in the September-November months increasing by an average of 1% after the Active Neighbourhood measures were put in place, and 3% in the March-April months.

We also looked at changes in the top 10% longest and the top 10% shortest journeys in order to see how travel times changed for the fastest and slowest journeys along the route.

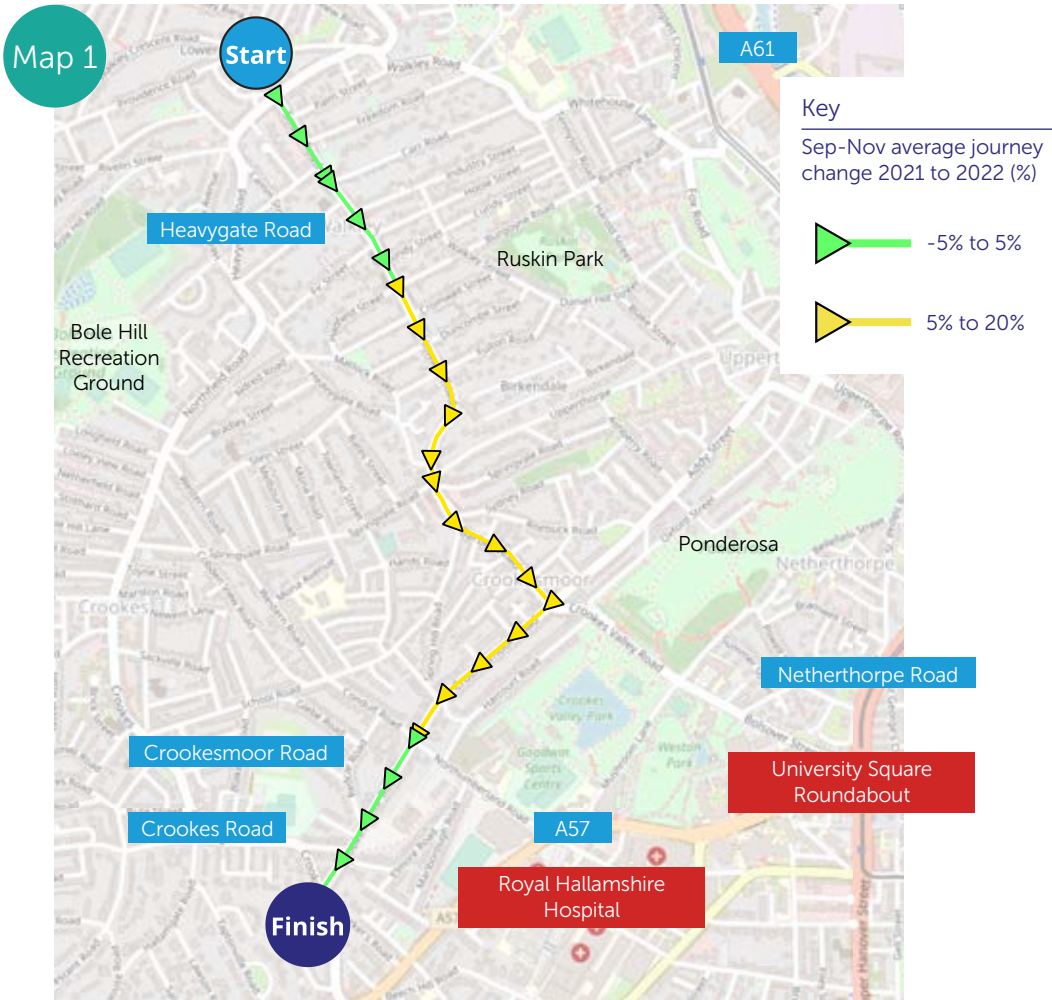
The 10% shortest journey times were reduced or remained the same, decreasing by 5% in the September-November month groups, and remaining static in the March-April month groups. The 10% longest journeys saw an increase in journey time, increasing by 4% in September-November and 10% in the March-April month groups.

Journey time (mm:ss)	Sep-Nov 2021	Sep-Nov 2022	% change	Mar-Apr 2022	Mar-Apr 2023	% change
Average	04:46	04:50	+1%	04:42	04:51	+3%
10% shortest	03:49	03:37	-5%	03:41	03:41	0%
10% longest	07:03	07:19	+4%	06:52	07:34	+10%

# Crookesmoor Road / South Road southbound

September - November 2021 to 2022

March - April 2022 to 2023



Sep - Nov 2021 avg total journey time (mm:ss)  
Mapped Route - 04:14

Sep - Nov 2022 avg total journey time (mm:ss)  
Mapped Route - 04:21 (3% increase)



Mar - Apr 2022 avg total journey time (mm:ss)  
Mapped Route - 04:03

Mar - Apr 2023 avg total journey time (mm:ss)  
Mapped Route - 04:21 (7% increase)

\*These maps show the change in journey times for vehicles travelling southbound on South Road and Crookesmoor Road between September to November 2021 and 2022, and March to April 2022 and 2023. The arrows show changes to the average journey time at each stage of the route. Data and an explanation can be found on the next page.



# Crookesmoor Road / South Road southbound - Journey times

The change in journey times heading southbound on South Road and Crookesmoor Road in September-November and March-April can be seen here. With the Active Neighbourhood measures coming into effect in May 2022, data from two separate month groups either side of the changes going into place has been analysed. This shows the change in journey times on southbound journeys on South Road and Crookesmoor Road since the changes were implemented. Looking at two different month groups helps to mitigate potential margins of error arising from the impacts of seasonal variance on journey times.

We also looked at changes in the top 10% longest and the top 10% shortest journeys in order to see how travel times changed for the fastest and slowest journeys along the route.

The 10% shortest journey times also increased by a small amount, increasing by 2% in the September-November month groups, and by 6% in the March-April month groups. The 10% longest journeys saw more pronounced change, increasing by 6% in September-November and 4% in the March-April month groups.

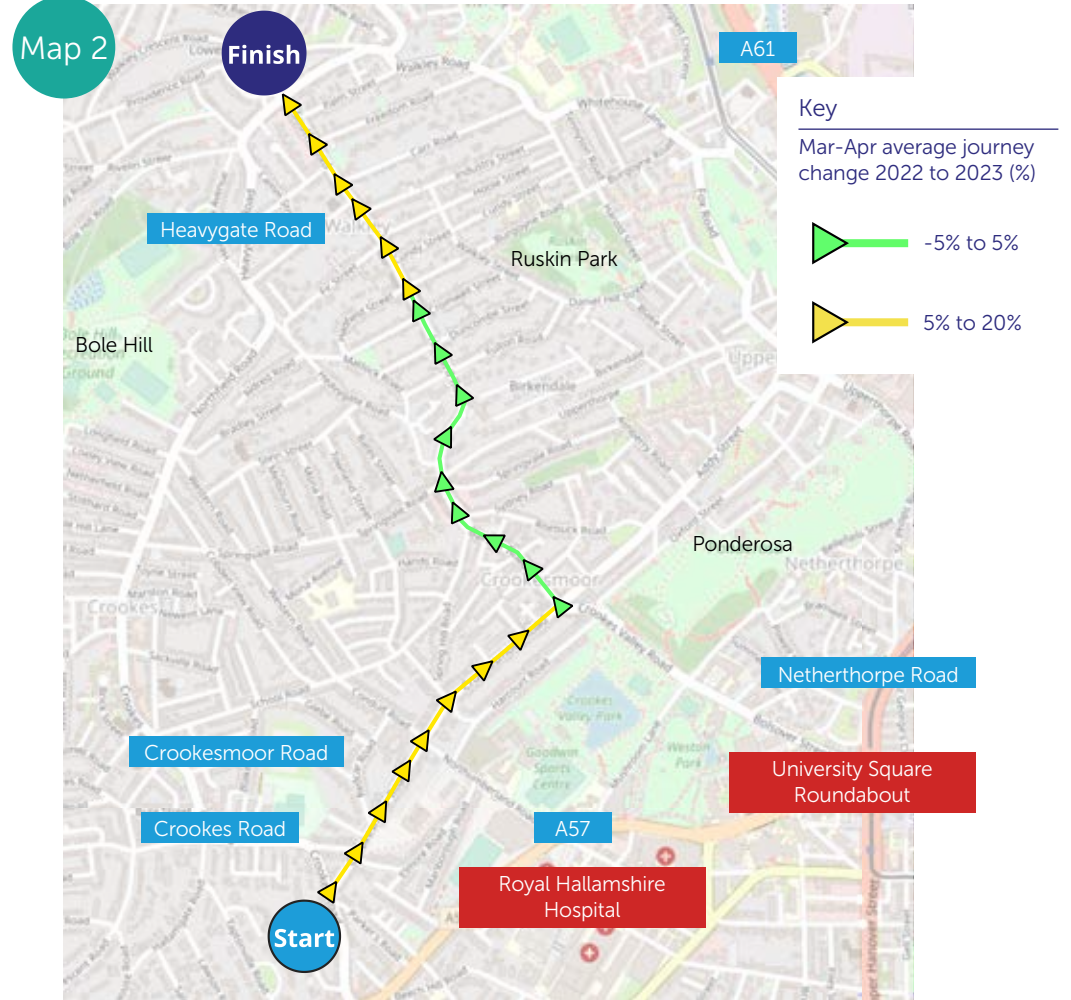
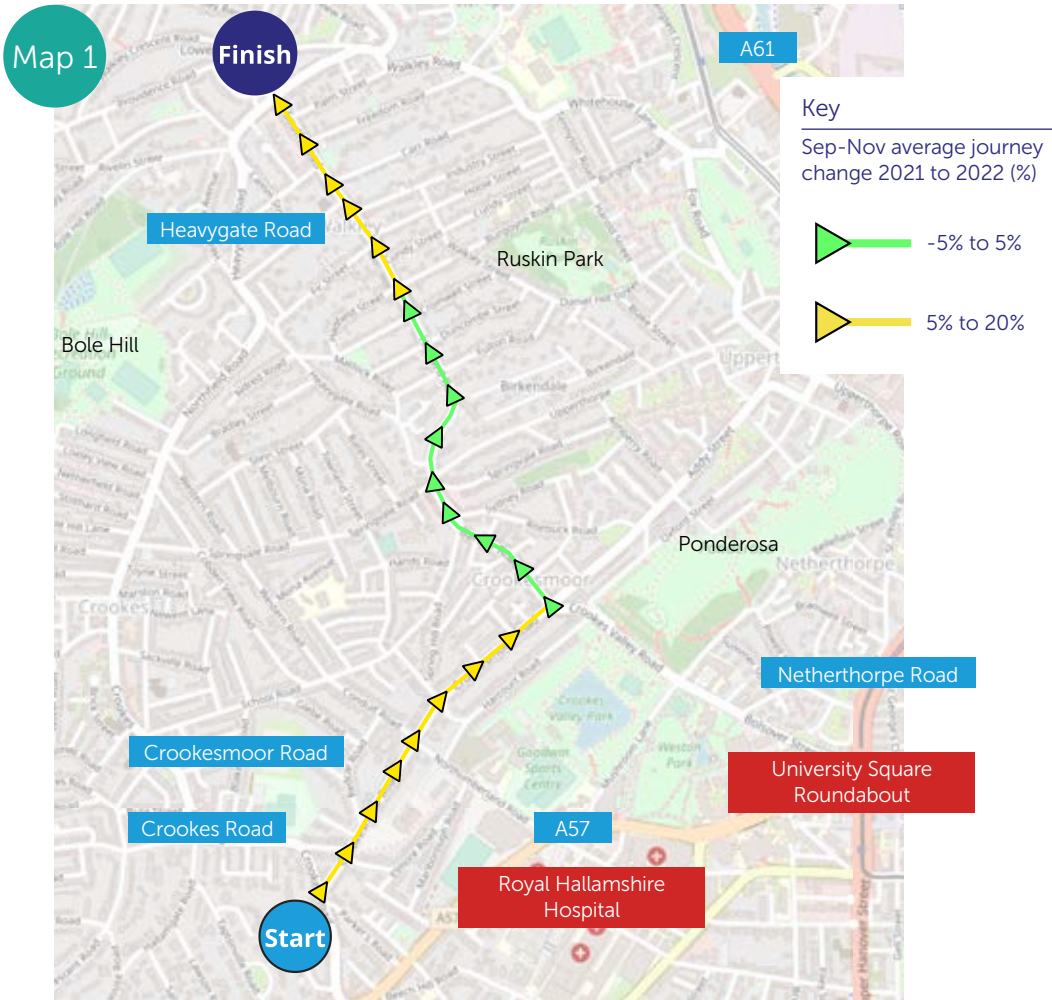
The average journey time increased in both month groups, with journeys in the September-November months increasing by an average of 3% after the Active Neighbourhood measures were put in place, and 7% in the March-April months.

Journey time (mm:ss)	Sep-Nov 2021	Sep-Nov 2022	% change	Mar-Apr 2022	Mar-Apr 2023	% change
Average	04:14	04:21	+3%	04:03	04:21	+7%
10% shortest	03:16	03:19	+2%	03:08	03:19	+6%
10% longest	06:04	06:27	+6%	05:50	06:05	+4%

# Crookesmoor Road / South Road northbound

September - November 2021 to 2022

March - April 2022 to 2023



Sep - Nov 2021 avg total journey time (mm:ss)  
Mapped Route - 04:23

Mar - Apr 2022 avg total journey time (mm:ss)  
Mapped Route - 04:14

Sep - Nov 2022 avg total journey time (mm:ss)  
Mapped Route - 04:40 **(6% increase)**

Mar - Apr 2023 avg total journey time (mm:ss)  
Mapped Route - 04:33 **(8% increase)**

\*These maps show the change in journey times for vehicles travelling northbound on South Road and Crookesmoor Road between September to November 2021 and 2022, and March to April 2022 and 2023. The arrows show changes to the average journey time at each stage of the route. Data and an explanation can be found on the next page.

# Crookesmoor Road / South Road northbound - Journey times

The change in journey times heading northbound on Crookesmoor Road and South Road in September-November and March-April can be seen here. With the Active Neighbourhood measures coming into effect in May 2022, data from two separate month groups either side of the changes going into place has been analysed. This shows the change in journey times on northbound journeys on South Road and Crookesmoor Road since the changes were implemented.. Looking at two different month groups helps to mitigate potential margins of error arising from the impacts of seasonal variance on journey times.

We also looked at changes in the top 10% longest and the top 10% shortest journeys in order to see how travel times changed for the fastest and slowest journeys along the route.

The 10% shortest journey times also increased, increasing by 1% in the September-November month groups, and by 8% in the March-April month groups. The 10% longest journeys saw more pronounced change, increasing by 5% in September-November and 14% in the March-April month groups.

The average journey time increased in both month groups, with journeys in the September-November months increasing by an average of 6% after the Active Neighbourhood measures were put in place, and 8% in the March-April months.

Journey time (mm:ss)	Sep-Nov 2021	Sep-Nov 2022	% change	Mar-Apr 2022	Mar-Apr 2023	% change
Average	04:23	04:40	+6%	04:14	04:33	+8%
10% shortest	03:24	03:26	+1%	03:12	03:27	+8%
10% longest	06:36	06:56	+5%	06:06	06:57	+14%