

SOUTH EDEN PARK ROAD, BECKENHAM

SAFETY IMPROVEMENT SCHEME: UPDATE FOR MEMBERS

Background

In 2021 the London Borough of Bromley was contacted by residents and parents of pupils from schools around South Eden Park Road about issues relating to safety on school routes. This led to a feasibility study and data collection exercise by Council Officers to determine the best traffic engineering measures to resolve perceived dangers and problems with pedestrian accessibility.

The initial report highlighting these issues and seeking approval for a feasibility study can be found at -

<https://cde.bromley.gov.uk/documents/s50091597/South%20Eden%20Park%20Road%20Revised.pdf>

Feasibility Study

During the feasibility study along this route various factors were considered to help inform on the most appropriate solutions to the issues identified, such as:

The 85th percentile speed which helps to determine if traffic is overly exceeding the speed limit on the road. Figures above 35mph are inappropriate on a 30mph road. The 7-day 85th percentile speed along different sections of South Eden Park Road ranges from 30 to 32mph, this is not unusual on a road with a 30mph speed limit.

PV² calculation which helps to determine which locations may be considered for what type of crossing based on the result of an average of 4 busiest hours for pedestrians (P) and vehicles (V). The table below shows PV² guidelines and recommendations:

Result of average of 4 busiest hours	Item to <i>consider</i>
Less than 0.2x10 ⁸	Not required
Less than 0.6x10 ⁸	Consider an informal crossing or road narrowing
Between 0.6x10 ⁸	Consider a Zebra Crossing
Equal or Greater than 1x10 ⁸	Consider a Signalised Crossing

In addition to the above, Officers observed traffic and pedestrian movement on site, researched historical collision records and the physical layout of the location.

Please see the table below for an update on the findings of the feasibility study at different locations.

There is no funding available at present for any of the interventions listed, but an application has been made to TfL for funds. As and when funding becomes available, the measures below may be introduced incrementally, as supported by Members and in respect to Borough-wide priorities for casualty reduction. In the meantime some low-cost measures such as part-time flashing 20mph signs may be considered at suitable locations along South Eden Park Road.

Appendix 3

Location	PV ²	Consistent with Policy	Comments
South Eden Park Road / Hawksbrook Lane / Upper Elmers End Road Junction	5.6 x 10 ⁸	Signalised crossing	<ul style="list-style-type: none"> - Congestion caused by the number of vehicles waiting to turn into Hawksbrook Lane from South Eden Park Road - A zebra crossing could cause severe congestion in the vicinity - Informal crossing points near Hawksbrook Lane are not ideal to safely accommodate the large number of students.
South Eden Park Road/Creswell Drive	1.5 x 10 ⁸	Zebra crossing New buff surfaces	Zebra crossing to be considered instead of a signalised crossing in line with the Council's policy to consider alternative crossings first before signalisation.
South Eden Park Road/Oakfield Gardens	0.4 x 10 ⁸	Informal crossing New buff surfaces	The proposed crossing to provide safe crossing for pedestrians. Design not yet considered.
South Eden Park Road/St David's Close	1.1 x 10 ⁸	Zebra crossing	Zebra crossing to be considered in line with the Council's policy to consider alternative crossings first before signalisation. This will be acceptable in terms of impact on traffic flow and safety for pedestrians.
Hawksbrook Lane		Extend the existing double yellow lines on Hawksbrook Lane to help improve traffic flow and safety.	<ul style="list-style-type: none"> - Parents drop secondary school students outside of school gate. - Parking on one side of the road narrows the road from two lanes to one lane which then results in traffic queues stretching back to South Eden Park Road. - The northern footway has a higher footfall.
Monks Orchard Road roundabout			Currently being investigated separately with other injury collision cluster schemes across the borough.
Footway widening on South Eden Park Road and Beckenham Road		<ul style="list-style-type: none"> - Footway widening will be reviewed again in the future. - A rigorous cutting back of the hedge in South Eden Park Road has been requested to liberate passing space. 	<ul style="list-style-type: none"> - Both footways exceed the required 0.9m minimum footway width for wheelchairs. - We anticipate that the number of pedestrians using constrained (uncomfortable) footways will be reduced with the introduction of different pedestrians crossing points along South Eden Park Road.