

APPENDIX 1: 2022-12-01 Scrutiny Review of Average Speed Cameras

South Yorkshire Road Safety Partnership – Camera Site selection criteria 2022

1.1 Camera sites will be selected using the site selection criteria, as shown below:

	Fixed speed camera sites	Mobile speed camera sites	Average Speed Camera sites	Red-Light or combined
Site or route length requirements	0.4km	Between 0.4km and 5km	Between 100m and 20km	From & to stop line in direction of travel
Number of KSI collisions	At least 1 KSI in the baseline period.*	At least 1 KSI collision per km (average) in the baseline period.*	At least 3 existing core speed sites within the length OR At least 1 KSI collision per km (average) in the baseline period* and meets the PIC total value below.	At least 1 KSI collision within the junction in the baseline period.* Selection must be based upon a collision history involving red light running
	*The baseline period is the most recent 36-month period available when a proposal is considered, where the end date is within 12 months of the date of consideration.			
Total value required	7	9/km	8/km	Not applicable
85 th Percentile speed at proposed site	Speed survey shows free-flow 85 th percentile speed is at or above NPCC enforcement threshold in built-up areas. This can apply to all vehicles or vehicle classes but must be compared consistently.			Not applicable
Site conditions that are suitable for the type of enforcement proposed.	Loading and unloading of camera can take place safely.	Location for mobile enforcement is easily accessible and there is space for enforcement to take place in a visible, legal, and safe manner.	The location of collisions in the baseline period will determine the length of enforcement.	Loading and unloading the camera can take place safely.
Suitability of site for camera enforcement.	The Highway Authority must undertake a site survey, demonstrating the following: (a) The speed limit has been reviewed, confirming that camera enforcement is the correct solution; (b) There is no other cost-effective engineering solution that is more appropriate; (c) That the Traffic Regulation Order (where applicable) and signing are lawful and correct.			

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Personal Injury Collision (PIC) value: Selection of new camera sites will require an assessment that includes the level of fatal, serious, and slight collisions. The combined level of collisions will be expressed as a numerical scale (see below)

Fatal or Serious injury collision = 5 points (i.e. 2 serious collisions along the route = 10 points)

Slight injury collision = 1 point (i.e. 5 slight collisions along the route = 5 points)

Camera spacing for ASC – these may be between 100m and 10km, but typically would be between 1km and 2km along a route.

Vehicle speeds before and after speed limit reduction

Kingsforth Lane, Rotherham

February 2022

National Speed Limit– 60mph single carriageway road

Cumwell Lane north of Sandy Lane

Speed bins (mph)	<30	30-40	40-50	50-60	60-70	70+
North bound	17	593	1232	301	30	4
South-bound	17	438	1596	528	58	12

Kingsforth Lane near the fishing ponds bend

Speed bins (mph)	<30	30-40	40-50	50-60	60-70	70+
North bound	29	205	1812	1199	125	11
South-bound	39	356	2072	824	57	3

Kingsforth Lane near the landfill site

Speed bins (mph)	<30	30-40	40-50	50-60	60-70	70+
North bound	15	603	2218	478	26	3
South-bound	19	541	2082	646	62	92

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Post-scheme vehicle speeds - November 2022

50mph speed limit

Cumwell Lane north of Sandy Lane

Speed bins (mph)	<30	30-40	40-50	50-60	60-70	70+
North bound	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks
South-bound	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks	Unavailable due to roadworks

Kingsforth Lane near the fishing ponds bend

Speed bins (mph)	<30	30-40	40-50	50-60	60-70	70+
North bound	78	1890	1335	29	0	0
South-bound	61	1471	1793	116	5	0

Kingsforth Lane near the landfill site

Speed bins (mph)	<30	30-40	40-50	50-60	60-70	70+
North bound	25	969	2057	225	10	2
South-bound	27	905	2151	257	19	3