

St Johns Primary School and Sevenoaks Primary School – petitions Sevenoaks Speed Review – Brittan’s Lane

To: Sevenoaks Joint Transportation Board, 11 March 2020

Main Portfolio Area: KCC – Growth Environment and Transport

By: Director of Highways, Transportation and Waste

Classification: For information

Ward: Sevenoaks Eastern, Sevenoaks Town and St Johns

Division: Sevenoaks Town

Summary: The report summarises the outcome of an investigation by Officers into the feasibility of introducing 20mph speed limits in Bayham Road/Quakers Hall Lane, Sevenoaks, Bradbourne Road/Bradbourne Park Road, Sevenoaks and Brittain’s Lane, Sevenoaks.

For Information

1.0 Introduction and Background

- 1.1 Kent County Council has received petitions from parents of school children and local residents requesting 20mph speed limits outside St Johns Primary School and Sevenoaks Primary School. These petitions were presented to the Sevenoaks Joint Transportation Board meeting on 10 September 2019. The current speed limits in these roads are 30mph. Furthermore, in Bradbourne Park Road there is existing traffic calming in the form of full width road humps.
- 1.2 The possibility of 20mph speed limits in these roads are supported by Sevenoaks Town Council and the local County Councillor Margaret Crabtree.
- 1.3 The Lead Petitioners addressed the meeting and it was resolved that the concerns raised by the petition be evaluated by officers and a report brought back to a future meeting of the Board.

Members of the Board were keen that possible solutions to the petitions should not be hindered or delayed. In addition, during the JTB in September 2019, it was queried whether a more holistic approach to traffic concerns would be beneficial to Sevenoaks town, rather than piecemeal exercises in response to petitions. It was resolved that a review of roads in Sevenoaks Town be initiated, initially as a desktop survey, to focus on areas of most risk to pedestrians. Roads to be prioritised for investigation would be identified by Cllr Crabtree, KCC Member for Sevenoaks Town, through discussions with KCC Officers.

- 1.4 During the JTB meeting of September 2019, KCC officers informed the meeting that the next steps for them would be to:
- Arrange traffic count data, to identify up-to-date information. Data to be collected during term-time;
 - Undertake a review of the school warning signage; and
 - Liaise with the schools regarding accessibility and entry to the school.
- 1.5 KCC officers met with Councillor Crabtree and it was agreed to undertake traffic count surveys in Bayham Road/Quakers Hall Lane (St Johns Primary School), Bradbourne Road/Bradbourne Park Road (Sevenoaks Primary and The Granville Schools) and Brittains Lane (New Beacon School).

2.0 Traffic Count Surveys

- 2.1 Surveys were undertaken in Bayham Road/Quakers Hall Lane, Sevenoaks and Bradbourne Road/Bradbourne Park Road between 4 – 10 November 2019. The surveys in Brittains Lane were undertaken between 6 – 12 December 2019. Due to a technical issue with the data, reruns of two of the sites were undertaken in January 2020.
- 2.2 The surveys were carried out for 24-hours over 7-days. This allowed the collection of representation data, whereby mean speeds, traffic volume and vehicle type were obtained.

3.0 Survey Results

- 3.1 A summary of the traffic count survey results are included at Annex 1
- 3.2 The survey results were as follows:

Bayham Road/Quakers Hall Lane, Sevenoaks – Average (mean) speeds of all traffic in both directions over 7-days were between 20 – 25mph. These roads have a posted speed limit of 30mph.

This is within tolerance of the current 20mph speed limit policy of KCC, whereby a speed limit reduction is considered feasible where existing traffic speeds are between 24mph to 28mph.

Bradbourne Road/Bradbourne Park Road, Sevenoaks – Average (mean) speeds of all traffic in both directions over 7-days were between 20 – 27mph. These roads have a posted speed limit of 30mph.

This is within tolerance of the current 20mph speed limit policy of KCC, whereby a speed limit reduction is considered feasible where existing traffic speeds are between 24mph to 28mph.

Brittains Lane, Sevenoaks – Average (mean) speeds of all traffic in both directions over 7-days were above 28mph.

This is outside of the current policy for 20mph speed limits, whereby the average speeds need to be between 24mph to 28mph.

- 3.3 A review of the school warning signage was undertaken. Appropriate warning signs and/or road markings were present near the schools and worn or damaged signs were replaced where necessary. New additional SLOW road markings have been installed in Bayham Road.
- 3.4 KCC has been in liaison with the schools regarding their active travel plans and advised them regarding accessibility and entry to the school.

4.0 Recommendations

- 4.1 Based on the survey results, it is recommended that 20mph speed limits in the vicinity of the schools be introduced in:

Bayham Road/Quakers Hall Lane, Sevenoaks between the boundary of number 14 Quakers Hall Lane and Serpentine Road and to include the entire length of Kennedy Gardens.

The entire length of Bradbourne Park Road, Sevenoaks between Hitchen Hatch Lane and Bradbourne Road. Bradbourne Road, Sevenoaks between Sackville Close and Amherst Road.

The introduction of 20 mph schemes in the vicinity of the schools would be in line with the latest government guidance on setting local speed limits and current KCC policy. They may also provide important benefits to local residents including quality of life and community benefits, and encouragement of healthier and more sustainable transport modes such as walking and cycling. We would expect a small reduction in the current traffic speeds and therefore this should result in the new speed limits being in the main self-enforcing, although there is no guarantee of this.

- 4.2 It is not recommended to introduce a 20mph speed limit in Brittain's Lane, Sevenoaks due to overall average traffic speeds being above 28mph and the percentage of vehicles complying with a proposed 20mph speed limit being very low. The personal injury collision record has been checked and there were no collisions recorded relating to excess speed within the last three years. We investigated the option of installing traffic calming in Brittain's Lane but this was not feasible due to the length of the road being over 2 km and the number of features that would be required to manage traffic speeds.
- 4.3 These recommendations are supported by Councillor Margaret Crabtree.
- 4.4 The next steps in 2020/21 will be to:
- Identify a funding source to implement the schemes (Councillor Crabtree has agreed to assist with a contribution)
 - Commence the TRO consultation process
 - Introduce the schemes on the ground by March 2021 (numerous objections to the schemes may affect this or lead to the schemes being withdrawn)

- Monitor the effect of the schemes on driver behaviour by collecting post-scheme traffic count data

Future Meeting if applicable: N/A	Date: 30/01/2020
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Annex List

<i>Annex 1</i>	<i>Traffic Count Survey Data/Results</i>
<i>Annex 2</i>	<i>Proposed 20mph Speed Limit Extents</i>

Annex 1

Bayham Road/Quakers Hall Lane, Sevenoaks - Traffic count summary

Site 1 – Bayham Road, Sevenoaks at lamp column IBAN015 30mph speed limit with no traffic calming						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed signed only 20mph speed limit
Northwest bound (towards the school access)	12,782	25mph	29mph	92% (11,755)	99.9% (12,768)	19% (2,422)
Southeast bound	11,361	22mph	25mph	99% (11,224)	99.4% (11,292)	43.5% (4,949)
Site 2 – Quakers Hall Lane at lamp column IQAC013 30mph speed limit without traffic calming						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed 20mph speed limit
Northwest bound	10,724	22mph	26mph	98% (10,490)	98.9% (10,607)	36.8% (3,940)
Southeast bound (towards the school access)	7,594	24mph	28mph	93% (7,048)	96.4% (7,319)	29.3% (2,224)
Site 3 - Quakers Hall Lane at lamp column IQAC009 30mph speed limit without traffic calming						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed 20mph speed limit
Northwest bound	11,061	22mph	27mph	98.2% (10,868)	99% (10,949)	42.7% (4,721)
Southeast bound (towards the school access)	7,574	20mph	24mph	99.3% (7,517)	99.9% (7,545)	54% (4,093)

Bradbourne Park Road & Bradbourne Road, Sevenoaks - Traffic count summary

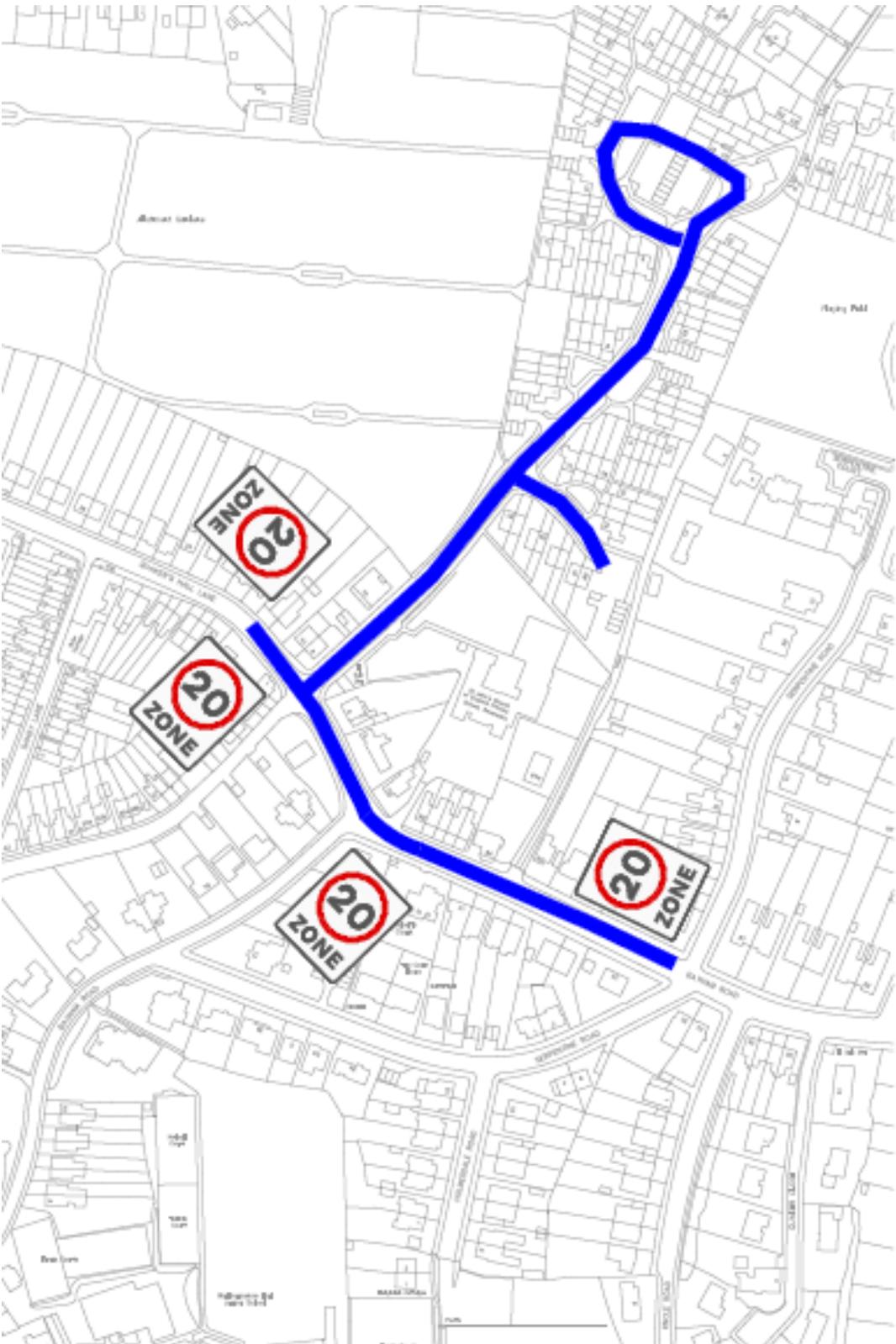
Site 1 – Bradbourne Road, Sevenoaks 30mph speed limit with no traffic calming						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed signed only 20mph speed limit
North bound (towards the school access)	5,251	27mph	31mph	83% (4,338)	91% (4,778)	18.7% (982)
South bound	4,450	24mph	29mph	86% (3,849)	93% (4,130)	32% (1,442)
Site 2 – Bradbourne Park Road at lamp column IBCT029 30mph speed limit with traffic calming throughout						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed 20mph speed limit
North bound	4,137	21mph	26mph	96% (3,996)	97% (4,006)	44% (1,809)
South bound	4,006	20mph	23mph	99% (3,967)	99.5% (3,987)	56% (2,264)
Site 3 - Bradbourne Park Road at lamp column IBCT014 30mph speed limit with traffic calming throughout						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed 20mph speed limit
North bound	4,664	22mph	26mph	96% (4,492)	98% (4,577)	31% (1,480)
South bound	4,342	20mph	24mph	98% (4,250)	99% (4,295)	49% (2,147)

Brittains Lane, Sevenoaks - Traffic count summary

Site 1 - Between Beaconfields and Julian's Way by lamp column IBDI049 30mph						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed signed only 20mph speed limit
North bound	10,981	27.9mph	34.1mph	64% (6,996)	89% (9,726)	9.8% (1,080)
South bound	10,513	26.9mph	33.6mph	67% (7,084)	90% (9,409)	17% (1,784)
Site 2 - South of The Middlings by lamp column IBDI041 outside "The Beechings".						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed 20mph speed limit
North bound	11,915	28.7mph	33mph	64% (7,570)	93% (11,034)	2.4% (283)
South bound	11,159	28.3mph	33.1mph	64% (7,158)	92% (10,268)	4.9% (545)
Site 3 - Outside number 60 by lamp column IBDI017						
Direction	Number of vehicles	Average speed Over 7 days	85 percentile speed	Percentage of vehicles complying with 30mph speed limit	Percentage of vehicles under enforcement threshold of 35mph	Percentage of vehicles complying with a proposed 20mph speed limit
North bound	13,460	30.7mph	35.1mph	46% (6,197)	84% (11,365)	1.2% (158)
South bound	12,653	29.8mph	34.2mph	53% (6,619)	88% (11,156)	2% (252)

Annex 2

Bayham Road/Quakers Hall Lane, Sevenoaks – Proposed 20mph Speed Limit Extents



Bradbourne Park Road & Bradbourne Road, Sevenoaks - Proposed 20mph Speed

Limit Extents

