

TECHNICAL NOTE

Project Title: Hook Lane, Pagham

Report Reference: JNY8840 - 12

Date: 17th July 2019

LAND WEST OF HOOK LANE, PAGHAM – APP REF: P/30/19/OUT – POTENTIAL HIGHWAY SAFETY MEASURES

Introduction

- 1 RPS on behalf of Hallam Land Management has reviewed the comments provided by Arun D.C with regard to the proposed development at Hook Lane, Pagham and its impact on the Pagham Road corridor.

Proposed Safety Monitoring Scheme

- 2 The impact of the development proposal has been assessed cumulatively with the other site allocations within Pagham and agreement has been reached with WSCC and HE as to the measures considered appropriate to implement. These measures will be implemented through either a S106 contribution or S278 agreement and include;
 - Improvements to B2166/ Vinnetrow Road roundabout;
 - Improvements to local bus stops including real-time information;
 - Contributions towards improvement of public rights of Way 100, 106 and 104 to permit use by cyclists;
 - Contributions towards Sustainable Transport Measures on the wider highway network; and
 - Contributions towards improvements at the A27 Whyke Hill Junction.

Total Costs £465,000 approx.(includes estimated cost for highway works and bus stop real-time info)

- 3 It is considered that based on the substantial evidence presented as part of the planning application, that the above measures not only assist in mitigating the impact of the development traffic but also provide improvements to local bus facilities and accessibility improvements benefiting both new and existing residents.
- 4 Notwithstanding the above, to address the concerns of the Council Hallam Land Management would also be willing to monitor safety along the Pagham Road corridor. This would be secured as part of a S106 agreement and include the following;
 - Obtain up to date accident data and traffic flows along the Pagham Road corridor between Pagham and A27 and review the changes that occur. This would be carried out;

- Prior to construction of development
- Upon occupation of 150th Dwelling / 50% of the site; and
- Upon full occupation of the site.

- 5 A review of the traffic data and recorded incidents would be reviewed and the results provided to WSCC as written report. Should it be identified that following full occupation of the site, there is a material increase in the number/ severity of incidents occurring along this route that is significantly different from the historic data, a potential scheme of works will be drawn up. A sum of £100,000 will be secured through a bond which can then be used towards measures that WSCC consider to be appropriate to improve safety along this road corridor. These measures may include;
1. Vehicle Activated Signage to warn vehicles to slow down on the approach to bends or on approach to junctions;
 2. Additional road signs;
 3. Additional road markings such as 'SLOW' road markings;
 4. Rumble strips on the approach to junction.
- 6 Examples of the potential type of measures is appended to this note.
- 7 The methodology and proportionate change upon which a scheme of works is required will be set out in a method statement and agreed with WSCC prior to commencement on site.

Appendices

TECHNICAL NOTE

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LAND WEST OF HOOK LANE, PAGHAM – APP REF: P/30/19/OUT – POTENTIAL HIGHWAY SAFETY MEASURES

Introduction

- 1 This Technical Note has been prepared on behalf of Hallam Land Management to provide illustrations of typical highway safety measures that can be installed on the public highway to provide advance warning of change in road alignment, approaching junctions etc.,

Vehicle Activated Signage

- 2 Vehicle Activated Signs are used for multiple purposes, they are generally used to detect vehicle speeds and if speeds are considered too high, a digital sign will be displayed, this could be a vehicle speed limit sign, warning signs of junctions on bends or sharp bends in the road etc., examples of typical signs are provided below.



- 3 The Pagham Road Corridor is generally rural in nature and as such it is likely that should a VAS be required the provision of Solar Power would also be required. The approximate cost to supply and install a sign powered by solar power is around **£15,000 - £20,000** per sign.

Road Signs

- 4 A review of the Pagham Road corridor shows that there is already a number of advance warning signs and road deviation signs. It may however be appropriate to provide signs that are more prominent which include yellow backing, typical examples are provided below.



- 5 These signs could be lit or unlit, typically a sign would cost in the region of **£500 - £1,000** per sign (depending upon size and lighting)

Road Markings

- 6 As with the road signs, there appears to be a number of 'SLOW' road markings along the Pagham Road corridor, however additional markings could be provided if deemed appropriate or enhanced markings as shown below.



The cost to provide these will vary depending upon the size and length needed, estimate **£250 - £500** per lin.m

Rumble Strips/ road marking on approach to junctions

- 7 To provide advance warning to motorists that they are approaching a junction that is not that clearly visible especially at night, additional road markings could be provided, these could include rumble strips or coloured surface dressing, examples of which are provided below.



- 8 Estimated cost to install rumble strips is around **£1,000** per lin.m