



Proposed junction improvements on Calf Hill Lane

For a Residential Development at

Woodville, Thongsbridge

Designers Response to Stage 2 Road Safety Audit

This Designers Response has been produced by the Highway Design Engineers of the proposed Highway Works in response to the comments and recommendations raised by the Stage 2 Road Safety Audit carried out on the 14th June 2016.

The proposals consist of the footway widening / kerb realignment on part of Calf Hill Lane to facilitate a small residential development.

The Audit was undertaken based on the following information:

- 1) Proposed junction arrangement drawing (drawing number 967 101).
- 2) A copy of the Stage 1 Road Safety Audit.

Items raised as part of the Stage 1 Road Safety Audit have been considered by the Audit Team, and have been accepted, with a recommendation of 'No further action required' to all points raised.

ITEMS RAISED IN STAGE 2 ROAD SAFETY AUDIT

General

B1.2.1 Problem: Drainage

Location: North of the site access

Summary: There is an existing gully which will be within the bellmouth of the improved access and its location can cause loss of traction for cyclists especially during periods of wet weather, leading to loss of control type collisions. See photograph below of the gully location.

Recommendation: The gully should be relocated to the north at the tangent point to ensure all surface water is picked up prior to the junction and that the gully's location will be outside the line of any cyclist accessing or egressing the junction.

Designers Response: Accepted, the road gully will be relocated to the tangent point as recommended.

B1.2.2 Problem: Drainage

Location: Site access

Summary: The existing long driveway falls towards the public highway Calf Hill Lane. There are no proposals shown to "pick up" the surface water before it discharges onto the public highway. Failure to pick up the surface water during periods of heavy rainfall would lead to surface water channelling across the adjacent footway and carriageway and could reduce traction under braking conditions resulting in loss of control type collisions, especially for cyclists. Furthermore, during the winter months this problem is exacerbated due to ice. See photograph below of the existing site access.

Recommendation: A slot drain or similar should be provided at a suitable location prior to the drives connection to the rear of footway on Calf Hill Lane and connected to the positive drainage system or a soakaway if ground conditions are suitable.

Designers Response: Accepted, a suitable slot drain is now provided.

B1.5.1 Problem: Service Apparatus

Location: Lay by opposite the site entrance

Summary: There is an existing litter bin within the lay by area. This could lead to a vehicle side swiping the litter bin and then failing to negotiate the bend resulting in a collision and potential injury to the occupants of the vehicle.

Recommendations: The litter bin should either be removed or relocated to a position where it would not obstruct the free flow of drivers of vehicles and cyclist.

Designers Response: Accepted, the litter bin has been relocated further south within the layby.

Designers Response by P A Howarth MIHE MCIHT

Company: Paragon Highways

Date: 23rd June 2016