

OPTION TWO DEVELOPMENT LIMITED

Courthouse Farm, Copthorne Common Road,
WEST SUSSEX

Project Reference: 1810-17/BN/01

Briefing Note - Design Audit

1.1 Reference Document: The Design Manual for Roads and Bridges (DMRB), CD123 and CD109

1.2 Associated reports:

- Transport Assessment 1810-017 TA01 inc appendix F which contained Stage 1 Road Safety Audit and Appendix D containing 1819-17 PL01 Access arrangement
- Travel Plan 1810-017 TP01

1.3 Drawings:

- As above

1.4 Design Audit table provided overleaf.

Section	Design Guide reference	Summary	Provision	Commentary
CD 123 Section 2	2.3.2	Figure 2.3.1 illustrates levels of provision for varying traffic levels	A ghost island right turn lane has been provided at the proposed access	A ghost island is appropriate form of access as set out in the TA
CD 123 Section 6	Table 6.1.1	Table 6.1.1 indicates the taper length for ghost island right turn lanes based on the design speed (kph).	15m Direct taper has been provided	Accords with guidance
	Figure 6.3a	Major / minor priority junction with a ghost Island on single carriageway	Ghost island designed in compliance with this figure	Accords with guidance
	6.4	The turning length shall be a minimum of 10 metres.	A 10m turning length has been provided	Accords with guidance
	6.6	For right turning lanes, the direct taper length and the minimum deceleration length shall be provided in accordance with Table 5.22.	As per above the deceleration lane and direct taper length have been provided in accordance with Table 5.22.	Accords with guidance.
	6.8	At ghost island junctions on roads other than WS2+1 roads, the through lane widths in each direction shall be a minimum of 3.0 metres and a maximum of 3.65 metres wide, exclusive of hard strips.	The through lanes would measure 3.5m in width	Accords with guidance.

	6.10	The width of the right turning lanes for new junctions, excluding WS2+1, shall be a minimum of 3.0 metres	The right turn lane would have a width of 3m	Accords with guidance
CD 109 Section 3	3.4	3.4 states that objects such as trees and lamp columns less than 550mm in width/length would not provide a significant obstruction to visibility	No objects are in line of visibility splay	Accords with guidance
CD109 Section 2	Table 2.10	Table 2.10 dictates visibility splay requirements	4.5m x 160m Visibility Splay and 160m forward visibility to the crossing/island have been provided	Accords with guidance.

Document Management

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