

East Anglia THREE

Appendix 27.15

Calculation of collision rates

Environmental Statement

Volume 3

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Appendix 27.15 (recorded numbers of PICs obtained from Suffolk County Council)

Link	24hr AADT	Road type	RCGB collision rate *	Link length miles	Recorded number of PICs	Calculated collision rate **
3	18561	Urban A road	1,535	3.10	126	1,199
6	2100	Rural other roads	809	1.30	2	401
7	4634	Rural other roads	809	2.25	5	263
12	3558	Rural other roads	809	1.65	9	839
13	2380	Rural other roads	809	1.50	3	460
14	40893	All roads A road	894	5.05	113	300
15	7466	Urban other roads	1,405	0.50	4	587
16	34699	All roads A road	894	1.90	40	332
19	6647	Rural other roads	809	2.50	10	330
20	6647	Rural other roads	809	2.50	5	165
21	4205	Rural other roads	809	5.20	19	476
27	2144	Rural other roads	809	4.80	19	1,011
28	11332	Urban other roads	1,405	1.10	5	220
29	1190	Rural other roads	809	4.00	2	230
30	2009	Rural other roads	809	2.20	2	248

* Collision rates from Road Safety Great Britain 2013 Table RAS 20005

** Formula to calculate existing collision rates where 1,826 is the sample size in number of days over which collision data has been sourced

$$\text{Collision Rate} = \frac{\text{Number of recorded PICs} \times 1 \text{ billion}}{1,826 \times \text{AADT flows} \times \text{length of link}}$$

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