

**Annex 3: Directional Signs - "x-heights" and Siting Distances<sup>1</sup>**

85 <sup>th</sup> percentile speeds of private cars (km/h)	Advance Direction Signs				Direction Signs	
	x-height (mm)	Minimum clear visibility distance (m)	<u>One sign</u> Distance from junction (m)	<u>Two Signs</u> Distance between 1 <sup>st</sup> and 2 <sup>nd</sup> sign (m)	x-height (mm)	Minimum clear visibility distance (m)
Up to 30	75 (60)	45 (35)	20	---	60 (50)	35 (30)
31 to 50	100 (75)	60 (45)	45	45	75 (60)	45 (35)
51 to 60	125 (100)	75 (60)	90	50	100 (75)	60 (45)
61 to 80	150 (125)	105	90-150	70	125 (100) (150)	75 (60) (105)

Note 1

*Not used*

Note 2

The smaller "x-heights" shown in brackets are the minimum letter sizes to be used where site space is limited or there are special amenity considerations. As "x-heights" are variable, intermediate sizes, generally to the nearest 5mm, may be used. The aim should be to provide the largest "x-height" possible for a particular site. Where an intermediate "x-height" is used the minimum clear visibility distance may be interpolated if necessary (see Note 3). Where two advance direction signs are provided they should normally be in the same "x-height".

Note 3

The clear visibility distances indicated are minimum values. Greater distances should be provided wherever possible.

<sup>1</sup> See UK LTN 1/94, Appendix A

Note 4

For speed between 61 to 80 km/h the larger bracketed sizes are for direction signs located on the noses of diverging lanes.

Note 5

*Not used*

Note 6

The dimensions in this table apply to all types of legend.

Note 7

In the “One Sign” and “Two Sign” Advance Sign the distances shown are for guidance only and are not to be taken as being precise. In certain circumstances where one or more signs are provided it may be appropriate to increase the distances given; e.g. on an urban road where the advance direction sign shows destinations associated with dedicated lanes that commence well before the junction. Where two signs are provided, the second sign should be sited in accordance with the “One Sign” column.

Note 8

Where two junctions are closer together than the siting distance plus visibility distance they should generally be signed as one junction.